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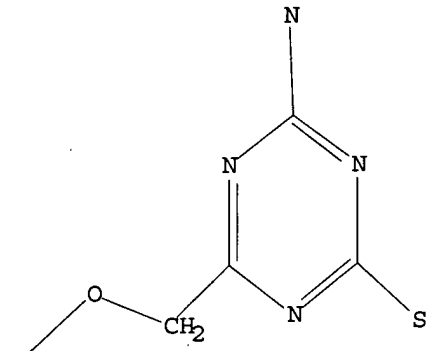


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G1 Cy,Ak


Structure attributes must be viewed using STN Express query preparation.


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100.0% PROCESSED      13 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

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SEARCH TIME: 00.00.01

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L4 2 L3

=> d l4 1-2 bib,ab,hitstr

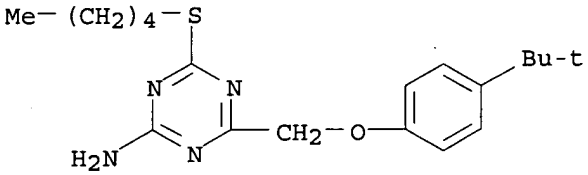
L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:449663 CAPLUS
DN 137:20391
TI Preparation of as substituted 1,3,5-triazine derivatives as ABCA-1 elevating compounds
IN Campbell, Michael; Zablocki, Jeff A.; Ibrahim, Prabha N.
PA CV Therapeutics, Inc., USA
SO PCT Int. Appl., 65 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002046172	A2	20020613	WO 2001-US46387	20011203
	WO 2002046172	A3	20030206		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	AU 2002039508	A5	20020618	AU 2002-39508	20011203
	EP 1341773	A2	20030910	EP 2001-987273	20011203
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	US 2002128266	A1	20020912	US 2001-5064	20011204
	US 2002082257	A1	20020627	US 2001-11016	20011205
	US 2002111364	A1	20020815	US 2001-10602	20011206
	US 6548548	B2	20030415		
	NO 2003002587	A	20030731	NO 2003-2587	20030606
PRAI	US 2000-251916P	P	20001207		
	US 2001-313274P	P	20010817		
	WO 2001-US46387	W	20011203		

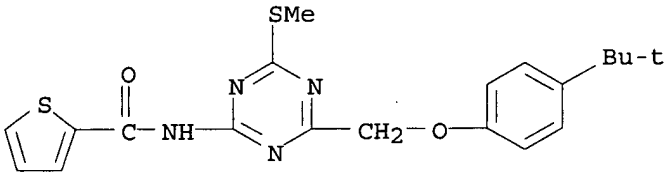
OS MARPAT 137:20391
AB Title compds. I [m, n, p = 0-1; A = CZ1, CZ1NH, SO2, covalent bond; Z1= O, S; R1 = H, alk(en/yn)yl, cycloalkyl, heterocyclyl, aryl, heteroaryl; R2 = H, alkyl, cycloalkyl or R1-2 and A when taken together with the nitrogen atom to which they are attached form a nitrogen bearing heterocycle; R3 = alkyl, cycloalkyl, heterocyclyl, aryl, heteroaryl; R4 = H, alkyl, cycloalkyl, heterocyclyl, aryl, heteroaryl; T = O, SO0-2, NR5; R5 = H, alkyl, cycloalkyl, heterocyclyl, aryl, heteroaryl; X1-3 = CR6 , N; R6 = H, alkyl, cycloalkyl, heterocyclyl, aryl, heteroaryl; with the proviso that at least one of X1-3 = N; Y1 = alkylene, carbonyl; Y2 = alkylene, O; Z = S, O, NR5] were prepd. Examples include several synthetic compds., assays for the effect of I on cellular ABCA-1 gene expression using the pGL3 luciferase reporter vector system, a lipid efflux assay, ability of I to stimulate cholesterol efflux from cells and detn. of ABCA-1 expression and HDL levels. For instance, the acid chloride of 4-tert-butylphenoxyacetic acid was reacted with an appropriately substituted carboxamidine (prepn. given) to afford II. I elevate cellular expression of the ABCA-1 gene, promoting cholesterol efflux from cells and increasing HDL levels in the plasma. I are useful for treating coronary artery disease.
IT **435338-29-7P**, N-[6-[[4-(tert-Butyl)phenoxy]methyl]-4-pentylthio-1,3,5-triazine-2-yl]amine **435338-38-8P 435338-50-4P 435338-53-7P 435338-56-0P**
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU

(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug; 1,3,5-triazine derivs that elevate cellular ABCA-1 levels promoting cholesterol efflux)

RN 435338-29-7 CAPLUS
CN 1,3,5-Triazin-2-amine, 4-[[4-(1,1-dimethylethyl)phenoxy]methyl]-6-(pentylthio)- (9CI) (CA INDEX NAME)



RN 435338-38-8 CAPLUS
CN 2-Thiophenecarboxamide, N-[4-[[4-(1,1-dimethylethyl)phenoxy]methyl]-6-(methylthio)-1,3,5-triazin-2-yl]- (9CI) (CA INDEX NAME)



RN 435338-50-4 CAPLUS
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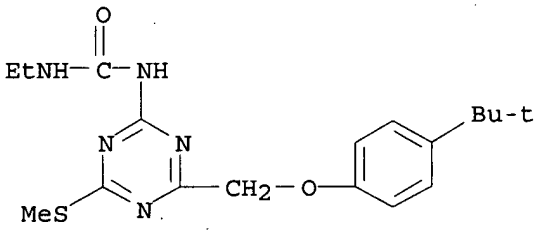

RN 435338-53-7 CAPLUS
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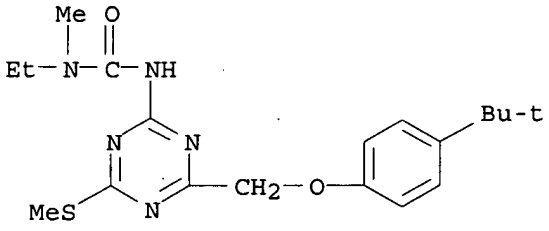
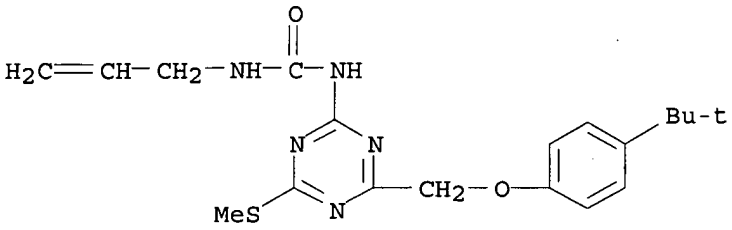
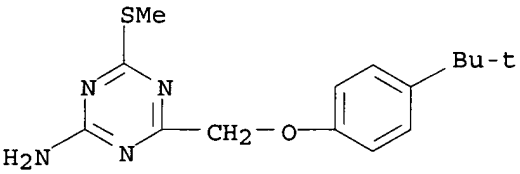


RN 435338-56-0 CAPLUS
CN Urea, N-[4-[[4-(1,1-dimethylethyl)phenoxy]methyl]-6-(methylthio)-1,3,5-triazin-2-yl]-N'-2-propenyl- (9CI) (CA INDEX NAME)



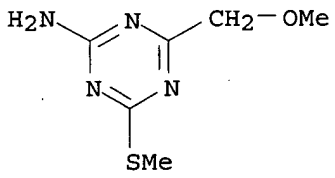
IT **435338-35-5**
RL: RCT (Reactant); RACT (Reactant or reagent)
(reactant; 1,3,5-triazine derivs that elevate cellular ABCA-1 levels promoting cholesterol efflux)
RN 435338-35-5 CAPLUS
CN 1,3,5-Triazin-2-amine, 4-[[4-(1,1-dimethylethyl)phenoxy]methyl]-6-(methylthio)- (9CI) (CA INDEX NAME)



L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1990:532221 CAPLUS
DN 113:132221
TI Preparation of N-arylsulfonyl-N'-triazinylurea derivatives as herbicides
IN Levitt, George
PA du Pont de Nemours, E. I., and Co., USA
SO U.S., 74 pp. Cont.-in-part of U.S. 4,305,884.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 8

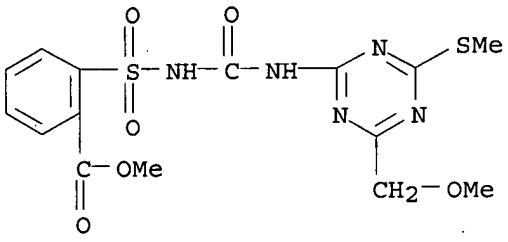
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4892946	A	19900109	US 1980-209307	19801124
	US 4394506	A	19830719	US 1979-98781	19791130
	US 4305884	A	19811215	US 1980-171355	19800723
	AU 547325	B2	19851017	AU 1983-13286	19830408
	AU 8313286	A1	19830804		
PRAI	US 1979-98781		19791130		
	US 1980-171355		19800723		
	US 1978-910965		19780530		
	US 1978-965070		19781130		
	US 1979-15341		19790301		
	US 1979-29281		19790413		
	AU 1979-47545		19790529		
	US 1979-49149		19790618		
	US 1980-119165		19800206		

OS MARPAT 113:132221
AB The title urea derivs. [I; R = C1-12 alkoxy, C3-10 alkenyloxy, alkynyloxy, 1-indolinyl, etc.; R2 = NCO, CF3SO2NH, etc.; R3 = H, Me, Cl, Br, F; W = O, S; X = H, Cl, Me, alkoxy, etc.; Y = H, F, Cl, Br, C1-4 alkyl, etc.; Z = N, CH] are prepd. and are useful as herbicides. To a soln. of isocyanate deriv. II in MeCN was added in small portions at room temp. triazine deriv. III to give the urea deriv. I (R = X = MeO, R2 = 5-NCO, R3 = H, W = O, Y = Me, Z = N). Among approx. 50 I prepd. 20 were tested to show pre- and post-emergent herbicidal activity at 0.05 g/ha against a wide variety of weeds.
IT **129346-28-7**
RL: PROC (Process)
(addn. of, with benzenesulfonyl isocyanate deriv.)
RN 129346-28-7 CAPLUS
CN 1,3,5-Triazin-2-amine, 4-(methoxymethyl)-6-(methylthio)- (9CI) (CA INDEX NAME)



IT **129346-34-5P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of, as herbicide)
RN 129346-34-5 CAPLUS
CN Benzoic acid, 2-[[[[[4-(methoxymethyl)-6-(methylthio)-1,3,5-triazin-2-

yl]amino]carbonyl]amino]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)



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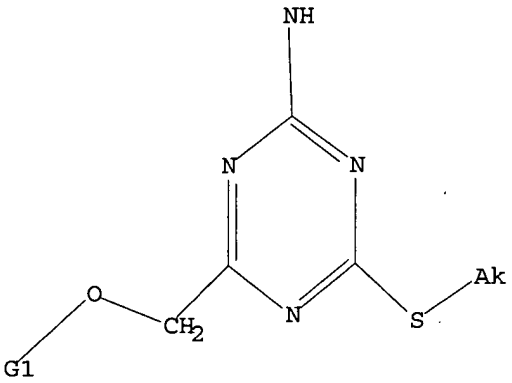


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Structure attributes must be viewed using STN Express query preparation.


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FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
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PROJECTED ANSWERS:               0 TO        0

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100.0% PROCESSED     188 ITERATIONS                              11 ANSWERS
SEARCH TIME: 00.00.01

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L4             2 L3

=> d l4 1-2 bib,ab,hitstr
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L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:449663 CAPLUS
DN 137:20391
TI Preparation of as substituted 1,3,5-triazine derivatives as ABCA-1 elevating compounds
IN Campbell, Michael; Zablocki, Jeff A.; Ibrahim, Prabha N.
PA CV Therapeutics, Inc., USA
SO PCT Int. Appl., 65 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002046172	A2	20020613	WO 2001-US46387	20011203
	WO 2002046172	A3	20030206		
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	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	AU 2002039508	A5	20020618	AU 2002-39508	20011203
	EP 1341773	A2	20030910	EP 2001-987273	20011203
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	US 2002128266	A1	20020912	US 2001-5064	20011204
	US 2002082257	A1	20020627	US 2001-11016	20011205
	US 2002111364	A1	20020815	US 2001-10602	20011206
	US 6548548	B2	20030415		
	NO 2003002587	A	20030731	NO 2003-2587	20030606
PRAI	US 2000-251916P	P	20001207		
	US 2001-313274P	P	20010817		
	WO 2001-US46387	W	20011203		

OS MARPAT 137:20391
AB Title compds. I [m, n, p = 0-1; A = CZ1, CZ1NH, SO2, covalent bond; Z1= O, S; R1 = H, alk(en/yn)yl, cycloalkyl, heterocyclyl, aryl, heteroaryl; R2 = H, alkyl, cycloalkyl or R1-2 and A when taken together with the nitrogen atom to which they are attached form a nitrogen bearing heterocycle; R3 = alkyl, cycloalkyl, heterocyclyl, aryl, heteroaryl; R4 = H, alkyl, cycloalkyl, heterocyclyl, aryl, heteroaryl; T = O, SO0-2, NR5; R5 = H, alkyl, cycloalkyl, heterocyclyl, aryl, heteroaryl; X1-3 = CR6 , N; R6 = H, alkyl, cycloalkyl, heterocyclyl, aryl, heteroaryl; with the proviso that at least one of X1-3 = N; Y1 = alkylene, carbonyl; Y2 = alkylene, O; Z = S, O, NR5] were prepd. Examples include several synthetic compds., assays for the effect of I on cellular ABCA-1 gene expression using the pGL3 luciferase reporter vector system, a lipid efflux assay, ability of I to stimulate cholesterol efflux from cells and detn. of ABCA-1 expression and HDL levels. For instance, the acid chloride of 4-tert-butylphenoxyacetic acid was reacted with an appropriately substituted carboxamidine (prepn. given) to afford II. I elevate cellular expression of the ABCA-1 gene, promoting cholesterol efflux from cells and increasing HDL levels in the plasma. I are useful for treating coronary artery disease.
IT **435338-29-7P**, N-[6-[[4-(tert-Butyl)phenoxy]methyl]-4-pentylthio-1,3,5-triazine-2-yl]amine **435338-38-8P 435338-50-4P 435338-53-7P 435338-56-0P**
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU

(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug; 1,3,5-triazine derivs that elevate cellular ABCA-1 levels promoting cholesterol efflux)

RN 435338-29-7 CAPLUS
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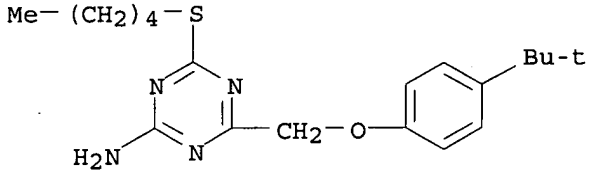
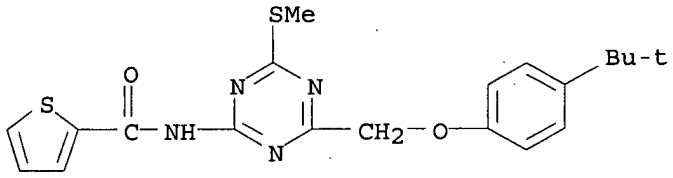


RN 435338-38-8 CAPLUS
CN 2-Thiophenecarboxamide, N-[4-[[4-(1,1-dimethylethyl)phenoxy]methyl]-6-(methylthio)-1,3,5-triazin-2-yl]- (9CI) (CA INDEX NAME)



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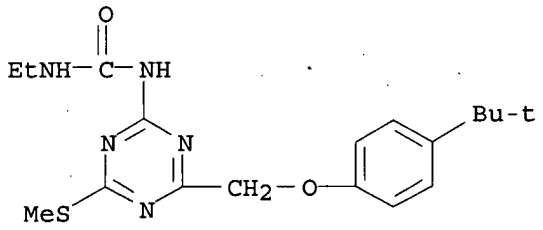
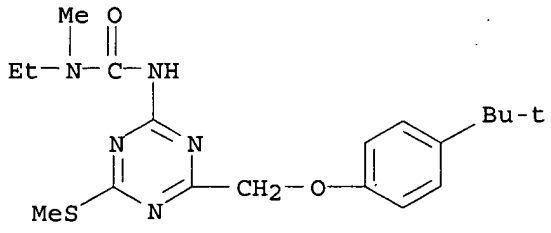
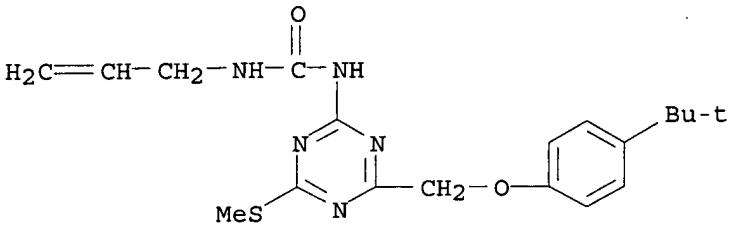


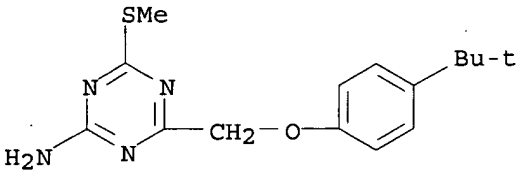
RN 435338-53-7 CAPLUS
CN Urea, N'-[4-[[4-(1,1-dimethylethyl)phenoxy]methyl]-6-(methylthio)-1,3,5-triazin-2-yl]-N-ethyl-N-methyl- (9CI) (CA INDEX NAME)



RN 435338-56-0 CAPLUS
CN Urea, N-[4-[[4-(1,1-dimethylethyl)phenoxy]methyl]-6-(methylthio)-1,3,5-triazin-2-yl]-N'-2-propenyl- (9CI) (CA INDEX NAME)



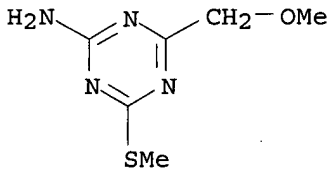
IT **435338-35-5**
RL: RCT (Reactant); RACT (Reactant or reagent)
(reactant; 1,3,5-triazine derivs that elevate cellular ABCA-1 levels promoting cholesterol efflux)
RN 435338-35-5 CAPLUS
CN 1,3,5-Triazin-2-amine, 4-[[4-(1,1-dimethylethyl)phenoxy]methyl]-6-(methylthio)- (9CI) (CA INDEX NAME)



L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1990:532221 CAPLUS
DN 113:132221
TI Preparation of N-arylsulfonyl-N'-triazinylurea derivatives as herbicides
IN Levitt, George
PA du Pont de Nemours, E. I., and Co., USA
SO U.S., 74 pp. Cont.-in-part of U.S. 4,305,884.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 8

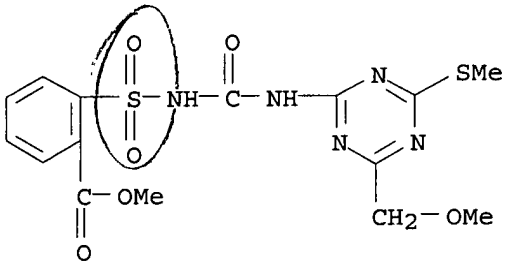
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4892946	A	19900109	US 1980-209307	19801124
	US 4394506	A	19830719	US 1979-98781	19791130
	US 4305884	A	19811215	US 1980-171355	19800723
	AU 547325	B2	19851017	AU 1983-13286	19830408
	AU 8313286	A1	19830804		
PRAI	US 1979-98781		19791130		
	US 1980-171355		19800723		
	US 1978-910965		19780530		
	US 1978-965070		19781130		
	US 1979-15341		19790301		
	US 1979-29281		19790413		
	AU 1979-47545		19790529		
	US 1979-49149		19790618		
	US 1980-119165		19800206		

OS MARPAT 113:132221
AB The title urea derivs. [I; R = C1-12 alkoxy, C3-10 alkenyloxy, alkynyloxy, 1-indolinyl, etc.; R2 = NCO, CF3SO2NH, etc.; R3 = H, Me, Cl, Br, F; W = O, S; X = H, Cl, Me, alkoxy, etc.; Y = H, F, Cl, Br, C1-4 alkyl, etc.; Z = N, CH] are prepd. and are useful as herbicides. To a soln. of isocyanate deriv. II in MeCN was added in small portions at room temp. triazine deriv. III to give the urea deriv. I (R = X = MeO, R2 = 5-NCO, R3 = H, W = O, Y = Me, Z = N). Among approx. 50 I prepd. 20 were tested to show pre- and post-emergent herbicidal activity at 0.05 g/ha against a wide variety of weeds.
IT **129346-28-7**
RL: PROC (Process)
(addn. of, with benzenesulfonyl isocyanate deriv.)
RN 129346-28-7 CAPLUS
CN 1,3,5-Triazin-2-amine, 4-(methoxymethyl)-6-(methylthio)- (9CI) (CA INDEX NAME)



IT **129346-34-5P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of, as herbicide)
RN 129346-34-5 CAPLUS
CN Benzoic acid, 2-[[[[[4-(methoxymethyl)-6-(methylthio)-1,3,5-triazin-2-

yl]amino]carbonyl]amino]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)



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     FILE 'REGISTRY' ENTERED AT 19:02:42 ON 10 FEB 2004
L1              STRUCTURE UPLOADED
L2            0 S L1 SSS SAM
L3           11 S L1 SSS FUL

     FILE 'CAPLUS' ENTERED AT 19:03:27 ON 10 FEB 2004
L4            2 S L3

     FILE 'CAOLD' ENTERED AT 19:03:52 ON 10 FEB 2004

=> s l3
L5            0 L3

=> log y
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                      ENTRY    SESSION
FULL ESTIMATED COST                                    0.42     166.00

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                      ENTRY    SESSION
CA SUBSCRIBER PRICE                                    0.00      -1.39

STN INTERNATIONAL LOGOFF AT 19:04:06 ON 10 FEB 2004
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=> d his

     (FILE 'HOME' ENTERED AT 19:07:45 ON 10 FEB 2004)

     FILE 'REGISTRY' ENTERED AT 19:07:51 ON 10 FEB 2004
L1              STRUCTURE UPLOADED
L2            0 S L1 SSS SAM
L3           11 S L1 SSS FUL

     FILE 'CAPLUS' ENTERED AT 19:08:54 ON 10 FEB 2004
L4            2 S L3

     FILE 'CAOLD' ENTERED AT 19:09:22 ON 10 FEB 2004

=> s l3
L5            0 L3

=> log y
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                      ENTRY     SESSION
FULL ESTIMATED COST                                    0.42      166.42

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                      ENTRY     SESSION
CA SUBSCRIBER PRICE                                    0.00       -1.39

STN INTERNATIONAL LOGOFF AT 19:09:32 ON 10 FEB 2004
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=>
Uploading 10005064 (amended claim 38-43).str

L1      STRUCTURE UPLOADED

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L1 HAS NO ANSWERS
L1              STR

Cb 1
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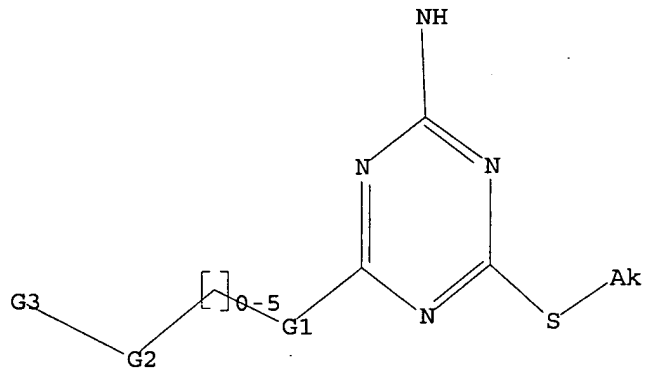


```
G1 C,O
G2 O,S,N,SO2
G3 Hy,[@1]

Structure attributes must be viewed using STN Express query preparation.


=> s l1 sss sam
SAMPLE SEARCH INITIATED 18:53:15 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     50 TO ITERATE

100.0% PROCESSED      50 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:          576 TO     1424
PROJECTED ANSWERS:               0 TO        0

L2            0 SEA SSS SAM L1

=> s l1 sss ful
FULL SEARCH INITIATED 18:53:21 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -    954 TO ITERATE

100.0% PROCESSED     954 ITERATIONS                               14 ANSWERS
SEARCH TIME: 00.00.01

L3           14 SEA SSS FUL L1

=> s l3
L4           1 L3

=> d l4 bib,ab,hitstr
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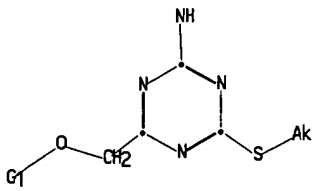
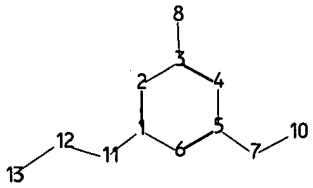
C:\STNEXP4\QUERIES\10005064 (amended subgenus).st





chain nodes :
7 10 11 12 13
ring nodes :
1 2 3 4 5 6
ring/chain nodes :
8
chain bonds :
1-11 3-8 5-7 7-10 11-12 12-13
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
3-8 7-10 12-13
exact bonds :
1-11 5-7 11-12
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6
isolated ring systems :
containing 1 :

G1:Cy,Ak

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 10:CLASS 11:CLASS
12:CLASS 13:CLASS

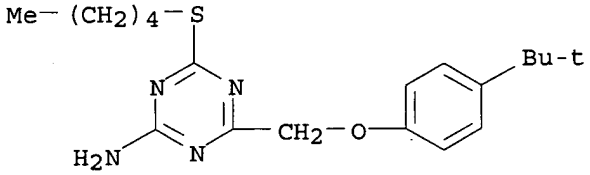
L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:449663 CAPLUS
DN 137:20391
TI Preparation of as substituted 1,3,5-triazine derivatives as ABCA-1 elevating compounds
IN Campbell, Michael; Zablocki, Jeff A.; Ibrahim, Prabha N.
PA CV Therapeutics, Inc., USA
SO PCT Int. Appl., 65 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002046172	A2	20020613	WO 2001-US46387	20011203
	WO 2002046172	A3	20030206		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	AU 2002039508	A5	20020618	AU 2002-39508	20011203
	EP 1341773	A2	20030910	EP 2001-987273	20011203
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	US 2002128266	A1	20020912	US 2001-5064	20011204
	US 2002082257	A1	20020627	US 2001-11016	20011205
	US 2002111364	A1	20020815	US 2001-10602	20011206
	US 6548548	B2	20030415		
	NO 2003002587	A	20030731	NO 2003-2587	20030606
PRAI	US 2000-251916P	P	20001207		
	US 2001-313274P	P	20010817		
	WO 2001-US46387	W	20011203		

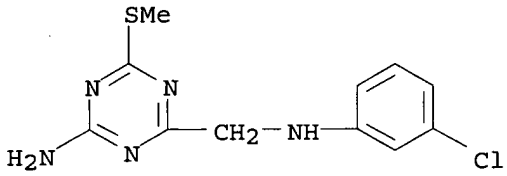
OS MARPAT 137:20391
AB Title compds. I [m, n, p = 0-1; A = CZ1, CZ1NH, SO2, covalent bond; Z1= O, S; R1 = H, alk(en/yn)yl, cycloalkyl, heterocyclyl, aryl, heteroaryl; R2 = H, alkyl, cycloalkyl or R1-2 and A when taken together with the nitrogen atom to which they are attached form a nitrogen bearing heterocycle; R3 = alkyl, cycloalkyl, heterocyclyl, aryl, heteroaryl; R4 = H, alkyl, cycloalkyl, heterocyclyl, aryl, heteroaryl; T = O, SO0-2, NR5; R5 = H, alkyl, cycloalkyl, heterocyclyl, aryl, heteroaryl; X1-3 = CR6 , N; R6 = H, alkyl, cycloalkyl, heterocyclyl, aryl, heteroaryl; with the proviso that at least one of X1-3 = N; Y1 = alkylene, carbonyl; Y2 = alkylene, O; Z = S, O, NR5] were prepd. Examples include several synthetic compds., assays for the effect of I on cellular ABCA-1 gene expression using the pGL3 luciferase reporter vector system, a lipid efflux assay, ability of I to stimulate cholesterol efflux from cells and detn. of ABCA-1 expression and HDL levels. For instance, the acid chloride of 4-tert-butylphenoxyacetic acid was reacted with an appropriately substituted carboxamidine (prepn. given) to afford II. I elevate cellular expression of the ABCA-1 gene, promoting cholesterol efflux from cells and increasing HDL levels in the plasma. I are useful for treating coronary artery disease.
IT **435338-29-7P**, N-[6-[[4-(tert-Butyl)phenoxy]methyl]-4-pentylthio-1,3,5-triazine-2-yl]amine **435338-33-3P 435338-38-8P** **435338-47-9P**, N-[[(3,5-Dimethoxyphenyl)aminomethyl]-4-methylthio-1,3,5-triazine-2-yl]amine **435338-50-4P 435338-53-7P**

435338-56-0P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug; 1,3,5-triazine derivs that elevate cellular ABCA-1 levels promoting cholesterol efflux)

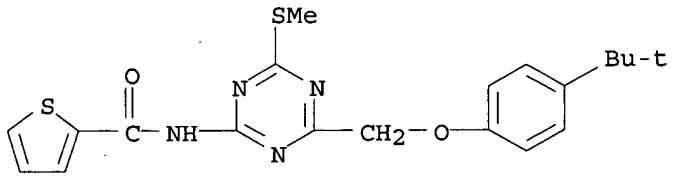
RN 435338-29-7 CAPLUS
CN 1,3,5-Triazin-2-amine, 4-[[4-(1,1-dimethylethyl)phenoxy]methyl]-6-(pentylthio)- (9CI) (CA INDEX NAME)



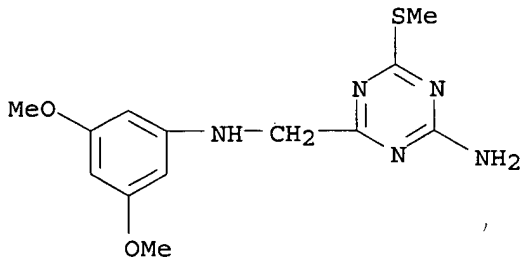
RN 435338-33-3 CAPLUS
CN 1,3,5-Triazine-2-methanamine, 4-amino-N-(3-chlorophenyl)-6-(methylthio)- (9CI) (CA INDEX NAME)



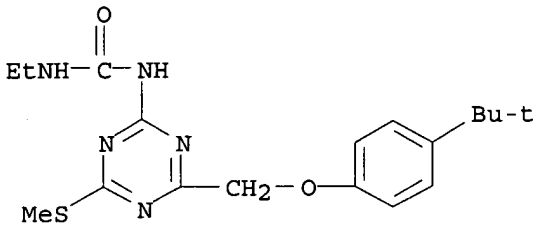
RN 435338-38-8 CAPLUS
CN 2-Thiophenecarboxamide, N-[4-[[4-(1,1-dimethylethyl)phenoxy]methyl]-6-(methylthio)-1,3,5-triazin-2-yl]- (9CI) (CA INDEX NAME)



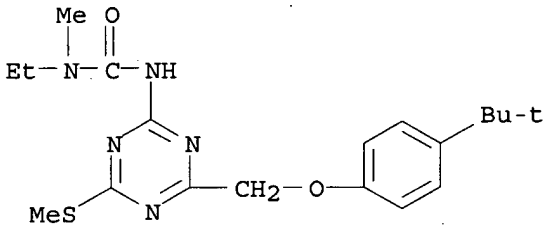
RN 435338-47-9 CAPLUS
CN 1,3,5-Triazine-2-methanamine, 4-amino-N-(3,5-dimethoxyphenyl)-6-(methylthio)- (9CI) (CA INDEX NAME)



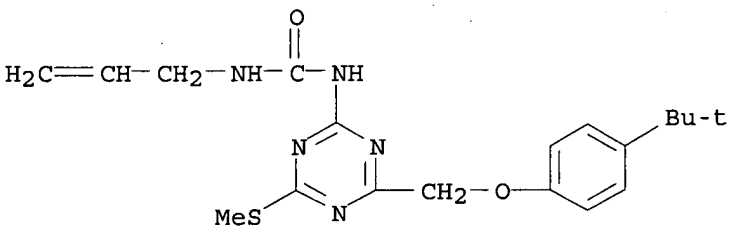
RN 435338-50-4 CAPLUS
CN Urea, N-[4-[[4-(1,1-dimethylethyl)phenoxy]methyl]-6-(methylthio)-1,3,5-triazin-2-yl]-N'-ethyl- (9CI) (CA INDEX NAME)



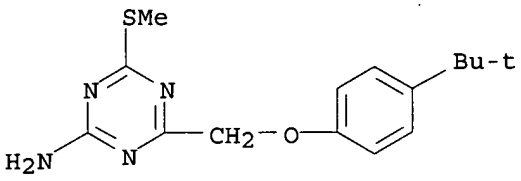
RN 435338-53-7 CAPLUS
CN Urea, N'-[4-[[4-(1,1-dimethylethyl)phenoxy]methyl]-6-(methylthio)-1,3,5-triazin-2-yl]-N-ethyl-N-methyl- (9CI) (CA INDEX NAME)



RN 435338-56-0 CAPLUS
CN Urea, N-[4-[[4-(1,1-dimethylethyl)phenoxy]methyl]-6-(methylthio)-1,3,5-triazin-2-yl]-N'-2-propenyl- (9CI) (CA INDEX NAME)



IT **435338-35-5**
RL: RCT (Reactant); RACT (Reactant or reagent)
(reactant; 1,3,5-triazine derivs that elevate cellular ABCA-1 levels promoting cholesterol efflux)
RN 435338-35-5 CAPLUS
CN 1,3,5-Triazin-2-amine, 4-[[4-(1,1-dimethylethyl)phenoxy]methyl]-6-(methylthio)- (9CI) (CA INDEX NAME)


SMe
Bu-t
N
N
N
H_2N
CH_2—O

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=> d his

     (FILE 'HOME' ENTERED AT 18:51:36 ON 10 FEB 2004)

     FILE 'REGISTRY' ENTERED AT 18:52:38 ON 10 FEB 2004
L1                STRUCTURE UPLOADED
L2              0 S L1 SSS SAM
L3             14 S L1 SSS FUL

     FILE 'CAPLUS' ENTERED AT 18:53:28 ON 10 FEB 2004
L4              1 S L3

     FILE 'CAOLD' ENTERED AT 18:55:59 ON 10 FEB 2004

=> s l3
L5              0 L3

=> log y
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                  ENTRY     SESSION
FULL ESTIMATED COST                                0.42      162.77

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)      SINCE FILE      TOTAL
                                                  ENTRY     SESSION
CA SUBSCRIBER PRICE                                0.00       -0.69

STN INTERNATIONAL LOGOFF AT 18:56:09 ON 10 FEB 2004
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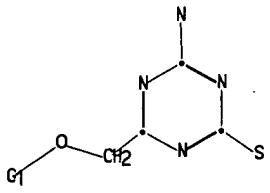

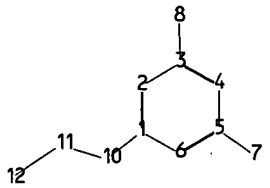

chain nodes :
7 10 11 12
ring nodes :
1 2 3 4 5 6
ring/chain nodes :
8
chain bonds :
1-10 3-8 5-7 10-11 11-12
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
3-8 11-12
exact bonds :
1-10 5-7 10-11
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6
isolated ring systems :
containing 1 :

G1:Cy,Ak

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 10:CLASS 11:CLASS
12:CLASS

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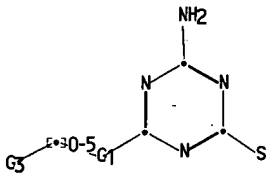
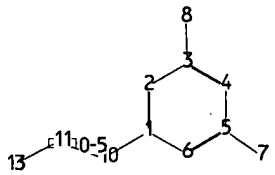




chain nodes :
7 10 11
ring nodes :
1 2 3 4 5 6
ring/chain nodes :
8 13
chain bonds :
1-10 3-8 5-7 10-11 11-13
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
1-10 3-8 10-11 11-13
exact bonds :
5-7
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6
isolated ring systems :
containing 1 :

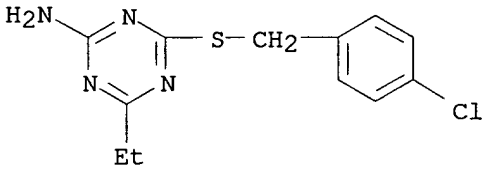
G1:C,O

G2:O,S,N,SO2

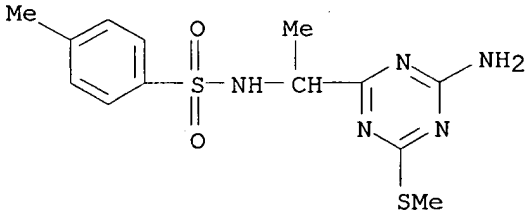
G3:Cy,Ak

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 10:CLASS 11:CLASS
13:CLASS

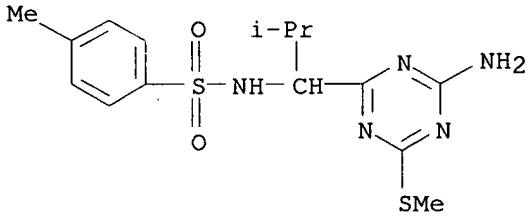
L4 ANSWER 8 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1987:598262 CAPLUS
DN 107:198262
TI Synthesis of substituted 2-amino-4-benzylthio-1,3,5-triazines from isothiuronium salts and carboxylic anhydrides
AU Radics, Ute; Mitzner, Elke; Liebscher, Juergen
CS Sekt. Chem., Humboldt-Univ. Berlin, Berlin, DDR-1040, Ger. Dem. Rep.
SO Zeitschrift fuer Chemie (1986), 26(12), 435-7
CODEN: ZECEAL; ISSN: 0044-2402
DT Journal
LA German
OS CASREACT 107:198262
AB The cyclocondensation of RCH2SC(NH2):NH2+ Br- (R = Ph, 4-ClC6H4, 4-BrC6H4) with (R1CO)2O (R1 = Me, Et) in pyridine gave triazines I in moderate yields.
IT **111039-46-4P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 111039-46-4 CAPLUS
CN 1,3,5-Triazin-2-amine, 4-[[(4-chlorophenyl)methyl]thio]-6-ethyl- (9CI) (CA INDEX NAME)



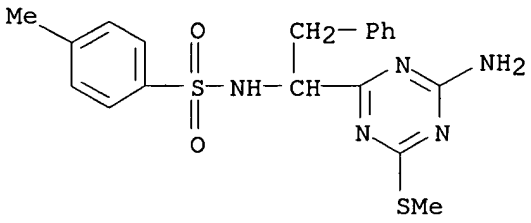
L4 ANSWER 12 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1976:554963 CAPLUS
DN 85:154963
TI Pesticides derived from amino acids
AU Maekawa, K.; Taniguchi, E.; Kuwano, E.; Shuto, Y.
CS Fac. Agric., Kyushu Univ., Fukuoka, Japan
SO Environmental Quality and Safety, Supplement (1975), 3(Pesticides), 748-53
CODEN: EQSSDX; ISSN: 0340-4714
DT Journal
LA English
AB Benzimidazole derivs. of amino acids and peptides contg. hydrophilic moieties, e.g., benzyloxycarbonylaminomethyl, inhibited the growth of radish seedlings and barnyard grass. 2-(1-Amino-2-phenylethyl)benzimidazole (I) [60603-62-5] (100 ppm) was active against tobacco mosaic virus. 2-[1-(Benzyloxycarbonylamino)-2-(3-indolyl)ethyl]benzimidazole [60603-49-8] and 2-[1-(benzyloxycarbonylamino)-4-guanidylbutyl]benzimidazole [60627-28-3] promoted rice seedling growth but inhibited barnyard grass. Several decarboxylated benzimidazole amino acid derivs. were also fungicidal.
IT **35541-06-1 35541-07-2 35541-08-3**
35541-09-4 60603-84-1 60603-86-3
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
(herbicidal and pesticidal activity of)
RN 35541-06-1 CAPLUS
CN Benzenesulfonamide, N-[1-[4-amino-6-(methylthio)-1,3,5-triazin-2-yl]ethyl]-4-methyl- (9CI) (CA INDEX NAME)



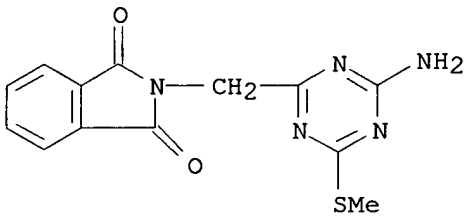
RN 35541-07-2 CAPLUS
CN Benzenesulfonamide, N-[1-[4-amino-6-(methylthio)-1,3,5-triazin-2-yl]-2-methylpropyl]-4-methyl- (9CI) (CA INDEX NAME)



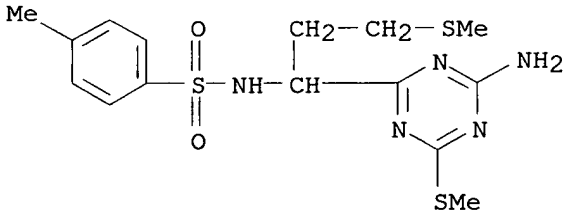
RN 35541-08-3 CAPLUS
CN Benzenesulfonamide, N-[1-[4-amino-6-(methylthio)-1,3,5-triazin-2-yl]-2-phenylethyl]-4-methyl- (9CI) (CA INDEX NAME)



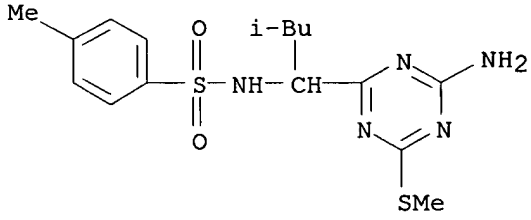
RN 35541-09-4 CAPLUS
CN 1H-Isoindole-1,3(2H)-dione, 2-[[4-amino-6-(methylthio)-1,3,5-triazin-2-yl]methyl]- (9CI) (CA INDEX NAME)



RN 60603-84-1 CAPLUS
CN Benzenesulfonamide, N-[1-[4-amino-6-(methylthio)-1,3,5-triazin-2-yl]-3-(methylthio)propyl]-4-methyl- (9CI) (CA INDEX NAME)



RN 60603-86-3 CAPLUS
CN Benzenesulfonamide, N-[1-[4-amino-6-(methylthio)-1,3,5-triazin-2-yl]-3-methylbutyl]-4-methyl- (9CI) (CA INDEX NAME)



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=> d l1
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L1                STR
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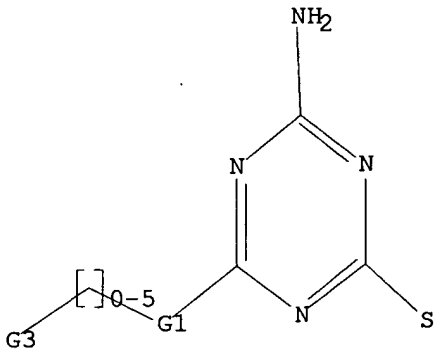


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G1 C,O

G2 O,S,N,SO2

G3 Cy,Ak


Structure attributes must be viewed using STN Express query preparation.


=> s l1 sss sam
SAMPLE SEARCH INITIATED 18:05:35 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     51 TO ITERATE

100.0% PROCESSED      51 ITERATIONS                          2 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:          592 TO     1448
PROJECTED ANSWERS:               2 TO      124

L2             2 SEA SSS SAM L1

=> s l1 sss ful
FULL SEARCH INITIATED 18:05:41 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -    959 TO ITERATE

100.0% PROCESSED     959 ITERATIONS                         41 ANSWERS
SEARCH TIME: 00.00.01

L3            41 SEA SSS FUL L1

=> s l3
L4           19 L3

=> s l4 1-19 bib,ab,hitstr
MISSING OPERATOR L4 1-19
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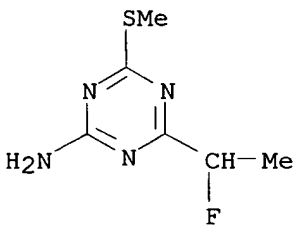
The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> d l4 1-19 bib,ab,hitstr

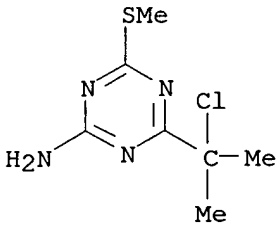
L4 ANSWER 1 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2000:33533 CAPLUS
DN 132:78575
TI Procedure for the production of 2-amino-4-chloro-1,3,5-triazines
IN Zindel, Juergen; Hollander, Jens; Minn, Klemens; Willms, Lothar
PA Hoechst Schering Agrevo G.m.b.H., Germany
SO Ger. Offen., 20 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 19830902	A1	20000113	DE 1998-19830902	19980710
	WO 2000002868	A1	20000120	WO 1999-EP4581	19990702
	W: AE, AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KG, KP, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, SL, TJ, TM, TR, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	AU 9949048	A1	20000201	AU 1999-49048	19990702
	BR 9911975	A	20010327	BR 1999-11975	19990702
	EP 1097146	A1	20010509	EP 1999-932785	19990702
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	JP 2002520321	T2	20020709	JP 2000-559099	19990702
	ZA 2000006795	A	20020221	ZA 2000-6795	20001121
PRAI	DE 1998-19830902	A	19980710		
	WO 1999-EP4581	W	19990702		

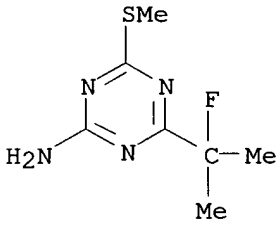
OS CASREACT 132:78575; MARPAT 132:78575
AB Herbicidal (no data) 2-amino-4-chloro-1,3-5-triazines are prepd. by chlorinating the 4-methylthio analogs in AcOH with Cl at room temp. Thus, 2-amino-4-methylthio-6-(1-fluoroisopropyl)-1,3,5-triazine, prepd. by treating S-methylguanylisothiourea methylsulfate with 2-fluoroisobutyryl chloride, was chlorinated with Cl in AcOH at 20-25.degree. for 15 min., kept at 20.degree. for 30 min., purged with N at room temp. for 1 h, and poured into ice-cold aq. NaOH to give 80% 2-amino-4-chloro-6-(1-fluoroisopropyl)-1,3,5-triazine.
IT **253870-31-4 253870-35-8**
RL: RCT (Reactant); RACT (Reactant or reagent)
(prodn. of 2-amino-4-chloro-1,3,5-triazines from 4-methylthio analogs)
RN 253870-31-4 CAPLUS
CN 1,3,5-Triazin-2-amine, 4-(1-fluoroethyl)-6-(methylthio)- (9CI) (CA INDEX NAME)



RN 253870-35-8 CAPLUS
CN 1,3,5-Triazin-2-amine, 4-(1-chloro-1-methylethyl)-6-(methylthio)- (9CI) (CA INDEX NAME)



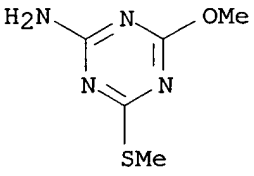
IT **253870-30-3P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prodn. of 2-amino-4-chloro-1,3,5-triazines from 4-methylthio analogs)
RN 253870-30-3 CAPLUS
CN 1,3,5-Triazin-2-amine, 4-(1-fluoro-1-methylethyl)-6-(methylthio)- (9CI) (CA INDEX NAME)



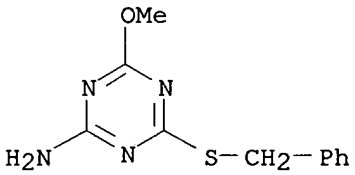
L4 ANSWER 2 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1997:97201 CAPLUS
DN 126:117993
TI Preparation of 4,6-disubstituted-2-amino-s-triazines.
IN Weiss, Stefan
PA SKW Trostberg Ag, Germany
SO Ger. Offen., 6 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI DE 19523206	A1	19970102	DE 1995-19523206	19950627
PRAI DE 1995-19523206		19950627		

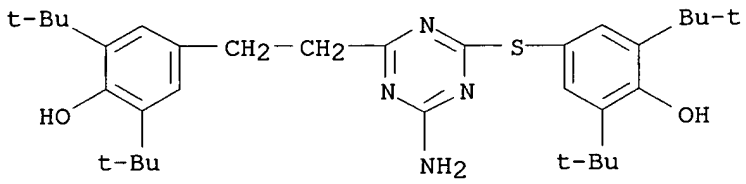
OS CASREACT 126:117993; MARPAT 126:117993
AB 4,6-Disubstituted-2-amino-s-triazines [I; X, Z = O, S; R1, R2 = aliphatyl, araliphatyl, (substituted) aryl], were prepd. by reaction of R1X(R3X)C:NC.tplbond.C (R3 = alkyl, aryl, aralkyl) with R2ZC(:NH)NH2 at -30.degree. to 150.degree. in H2O and/or an org. solvent. Thus, O-methylisourea was stirred with di-Me N-cyaniimidocarbonate in MeOH at 0.degree. to room temp. to give 92% 2-amino-4,6-dimethoxy-s-triazine.
IT **30358-18-0P**, 2-Amino-4-methoxy-6-methylthio-s-triazine
185980-70-5P, 2-Amino-4-benzylmercapto-6-methoxy-s-triazine
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)
(prepn. of 4,6-disubstituted-2-amino-s-triazines)
RN 30358-18-0 CAPLUS
CN 1,3,5-Triazin-2-amine, 4-methoxy-6-(methylthio)- (9CI) (CA INDEX NAME)



RN 185980-70-5 CAPLUS
CN 1,3,5-Triazin-2-amine, 4-methoxy-6-[(phenylmethyl)thio]- (9CI) (CA INDEX NAME)



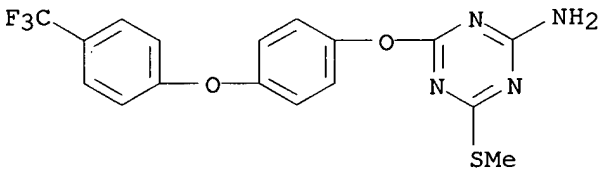
L4 ANSWER 3 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1995:422014 CAPLUS
DN 122:218034
TI Effect of azoles and sym-triazines with hindered-phenol substituents on anticorrosion properties of turbine oils
AU Koshelev, V. N.; Kelarev, V. I.; Belov, N. V.; Malova, O. V.; Osipov, S. L.; Spirkin, V. G.
CS GANG im. I. M. Gubkina, Russia
SO Khimiya i Tekhnologiya Topliv i Masel (1995), (1), 19-20
CODEN: KTPMAG; ISSN: 0023-1169
PB Izdatel'stvo "Neft i Gaz"
DT Journal
LA Russian
AB Seven imidazolines , 2 benzimidazolines, and 4 sym-triazines substituted with 2,5-bis(tert-butyl)-4-hydroxyphenyls are evaluated as H2S corrosion inhibitors for turbine oils. Six of these compds. decreased decreased H2S (concn. 0.4-55 wt.%) corrosion rate substantially.
IT **114811-87-9**
RL: MOA (Modifier or additive use); USES (Uses)
(hydrogen sulfide corrosion inhibitors for turbine oils)
RN 114811-87-9 CAPLUS
CN Phenol, 4-[[4-amino-6-[2-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]ethyl]-1,3,5-triazin-2-yl]thio]-2,6-bis(1,1-dimethylethyl)- (9CI) (CA INDEX NAME)



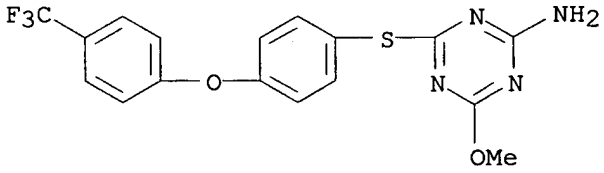
L4 ANSWER 4 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1994:557677 CAPLUS
DN 121:157677
TI Preparation of pyrimidine and triazine derivatives as herbicides
IN Myazaki, Masahiro; Sugyama, Kazuhiko; Suzuki, Chiharu; Nezu, Masao; Kajiwara, Ikuo; Ooi, Hideo
PA Kumiai Chemical Industry Co, Japan; Ihara Chemical Ind Co
SO Jpn. Kokai Tokkyo Koho, 27 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 06073022	A2	19940315	JP 1992-250444	19920827
PRAI JP 1992-250444		19920827		

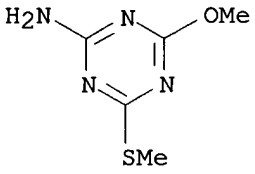
OS MARPAT 121:157677
AB The title compds. I [R1 = H, alkyl, etc.; R2 = alkyl, etc.; X = O, S, etc.; Y = O, methylene, etc.; Z = N, etc.; A = substituted Ph, pyridine, etc.; B = substituted Ph, etc.] are prepd. Treatment of phenoxyphenol deriv. II with NaH in DMF , followed by reaction with chloropyrimidine III, gave pyrimidine deriv. IV. IV at 400 g/10 are gave .gtoreq.90% control of Monochoria vaginalis.
IT **157485-66-0P 157485-82-0P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of, as herbicide)
RN 157485-66-0 CAPLUS
CN 1,3,5-Triazin-2-amine, 4-(methylthio)-6-[4-[4-(trifluoromethyl)phenoxy]phenoxy]- (9CI) (CA INDEX NAME)



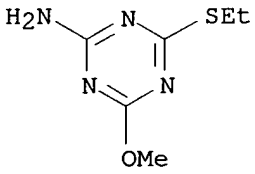
RN 157485-82-0 CAPLUS
CN 1,3,5-Triazin-2-amine, 4-methoxy-6-[[4-[4-(trifluoromethyl)phenoxy]phenyl]thio]- (9CI) (CA INDEX NAME)



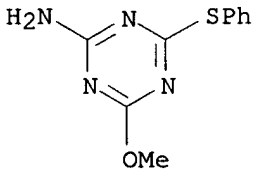
L4 ANSWER 5 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1991:81764 CAPLUS
DN 114:81764
TI 2-Amino-4-methoxy-6-alkyl(aryl)thio-1,3,5-triazines
AU Lotz, S.; Gattow, G.
CS Inst. Anorgan. Chem., Univ. Mainz, Mainz, Germany
SO Zeitschrift fuer Anorganische und Allgemeine Chemie (1990), 585, 151-6
CODEN: ZAACAB; ISSN: 0044-2313
DT Journal
LA German
OS CASREACT 114:81764
AB Cyclization reaction of MeOC(:NH)NHC(:NH)NH2 with ClCS2R (R = Me, Et, Ph) gave <10% title compds. I along with MeOC(:NH)NHC(:NH)NHCS2R. Mass, electronic, IR, and NMR spectra of I were discussed.
IT **30358-18-0P 131244-74-1P 131244-75-2P**
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and spectra of)
RN 30358-18-0 CAPLUS
CN 1,3,5-Triazin-2-amine, 4-methoxy-6-(methylthio)- (9CI) (CA INDEX NAME)



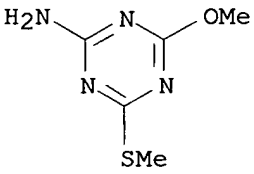
RN 131244-74-1 CAPLUS
CN 1,3,5-Triazin-2-amine, 4-(ethylthio)-6-methoxy- (9CI) (CA INDEX NAME)



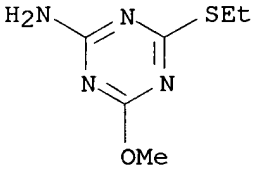
RN 131244-75-2 CAPLUS
CN 1,3,5-Triazin-2-amine, 4-methoxy-6-(phenylthio)- (9CI) (CA INDEX NAME)



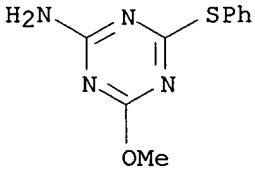
L4 ANSWER 6 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1991:23399 CAPLUS
DN 114:23399
TI On chalcogenolates. 196. Studies on N-(methoxycarbimidoyl)guanidine. 2. Reactions with esters of chlorodithioformic acid
AU Lotz, S.; Gattow, G.
CS Inst. Anorgan. Chem., Univ. Mainz, Mainz, Germany
SO Zeitschrift fuer Anorganische und Allgemeine Chemie (1990), 585, 142-50
CODEN: ZAACAB; ISSN: 0044-2313
DT Journal
LA German
OS CASREACT 114:23399
AB Reaction of MeOC(:NH)NHC(:NH)NH2 with ClCS2R (R = Me, Et, Ph) in THF gave 15-53% MeOC(:NH)NHC(:NH)CS2R (I; same R) plus 4-9% triazines II. UV, IR, NMR, and mass spectra of I and their related tautomers are discussed.
IT **30358-18-0P 131244-74-1P 131244-75-2P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 30358-18-0 CAPLUS
CN 1,3,5-Triazin-2-amine, 4-methoxy-6-(methylthio)- (9CI) (CA INDEX NAME)



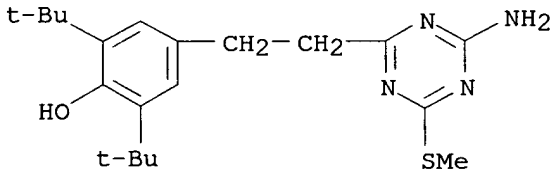
RN 131244-74-1 CAPLUS
CN 1,3,5-Triazin-2-amine, 4-(ethylthio)-6-methoxy- (9CI) (CA INDEX NAME)



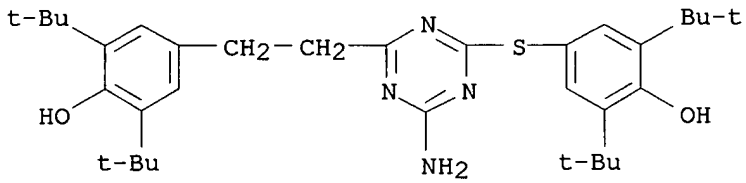
RN 131244-75-2 CAPLUS
CN 1,3,5-Triazin-2-amine, 4-methoxy-6-(phenylthio)- (9CI) (CA INDEX NAME)



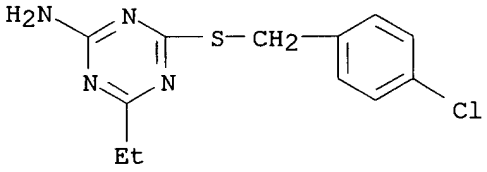
L4 ANSWER 7 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1988:406482 CAPLUS
DN 109:6482
TI Synthesis and properties of sym-triazine derivatives. 6. Synthesis of 2-amino- and 2,4-diamino-sym-triazines, containing fragments of sterically hindered phenol
AU Kelarev, V. I.; Laauad Yahia, F.; Karakhanov, R. A.; Lunin, A. F.; Vinokurov, V. A.
CS Mosk. Inst. Neftekhim. Gazov. Prom., Moscow, USSR
SO Khimiya Geterotsiklicheskikh Soedinenii (1987), (10), 1392-7
CODEN: KGSSAQ; ISSN: 0453-8234
DT Journal
LA Russian
OS CASREACT 109:6482
AB Cyclocondensation reaction of RCH2CH2CONHC(:NH)NH2 (R = 4-hydroxy-3,5-di-tert-butylphenyl throughout this abstr.) with R1CN (R1 = Me, pentyl, CCl3, Ph, PhCH2, RCH2CH2, RSCH2CH2, MeS, RS) gave 62-87% aminotriazines I (same R, R1). Reaction of RCH2CH2CO2Me with R2R3NC(:NH)NHC(:NH)NH2 (R2 = Me, Et, H; R3 = Me, Et, Ph, octadecyl) gave 75-85% diaminotriazines II (same R2, R3).
IT **114811-86-8P 114811-87-9P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 114811-86-8 CAPLUS
CN Phenol, 4-[2-[4-amino-6-(methylthio)-1,3,5-triazin-2-yl]ethyl]-2,6-bis(1,1-dimethylethyl)- (9CI) (CA INDEX NAME)



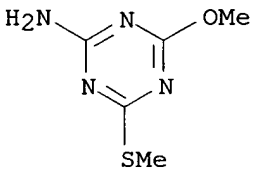
RN 114811-87-9 CAPLUS
CN Phenol, 4-[[4-amino-6-[2-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]ethyl]-1,3,5-triazin-2-yl]thio]-2,6-bis(1,1-dimethylethyl)- (9CI) (CA INDEX NAME)



L4 ANSWER 8 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1987:598262 CAPLUS
DN 107:198262
TI Synthesis of substituted 2-amino-4-benzylthio-1,3,5-triazines from isothiuronium salts and carboxylic anhydrides
AU Radics, Ute; Mitzner, Elke; Liebscher, Juergen
CS Sekt. Chem., Humboldt-Univ. Berlin, Berlin, DDR-1040, Ger. Dem. Rep.
SO Zeitschrift fuer Chemie (1986), 26(12), 435-7
CODEN: ZECEAL; ISSN: 0044-2402
DT Journal
LA German
OS CASREACT 107:198262
AB The cyclocondensation of RCH2SC(NH2):NH2+ Br- (R = Ph, 4-ClC6H4, 4-BrC6H4) with (R1CO)2O (R1 = Me, Et) in pyridine gave triazines I in moderate yields.
IT **111039-46-4P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 111039-46-4 CAPLUS
CN 1,3,5-Triazin-2-amine, 4-[[(4-chlorophenyl)methyl]thio]-6-ethyl- (9CI) (CA INDEX NAME)



L4 ANSWER 9 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1984:591788 CAPLUS
DN 101:191788
TI Synthesis and structure elucidation of 3-methoxy-1-methyl-1H-1,2,4-triazol-5-amine and 5-methoxy-1-methyl-1H-1,2,4-triazol-3-amine
AU Selby, T. P.; Lepone, G. E.
CS Agric. Chem. Dep., E. I. du Pont de Nemours and Co., Inc., Wilmington, DE, 19898, USA
SO Journal of Heterocyclic Chemistry (1984), 21(1), 61-4
CODEN: JHTCAD; ISSN: 0022-152X
DT Journal
LA English
OS CASREACT 101:191788
AB Reaction of NCN:C(OMe)2 with MeNHNH2 affords a high yield of 3-methoxy-1-methyl-1H-1,2,4-triazol-5-amine (I) rather than the regioisomer 5-methoxy-1-methyl-1H-1,2,4-triazol-3-amine (II). The structure assignment of I was confirmed by x-ray crystallog. anal. of the benzenesulfonyl isocyanate adduct. II was obtained after reacting NCN:C(OMe)(SMe) with MeNHNH2.
IT **30358-18-0P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 30358-18-0 CAPLUS
CN 1,3,5-Triazin-2-amine, 4-methoxy-6-(methylthio)- (9CI) (CA INDEX NAME)



L4 ANSWER 10 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1983:422486 CAPLUS
DN 99:22486
TI Fluoroalkoxyaminopyrimidines and -triazines
IN Meyer, Willy
PA Ciba-Geigy A.-G. , Switz.
SO Eur. Pat. Appl., 20 pp.
CODEN: EPXXDW
DT Patent
LA German
FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 70804	A2	19830126	EP 1982-810300	19820712
	EP 70804	A3	19830525		
	EP 70804	B1	19870408		
	R: AT, BE, CH, DE, FR, GB, IT, LI, NL				
	US 4480101	A	19841030	US 1982-396960	19820709
	AT 26445	E	19870415	AT 1982-810300	19820712
	CA 1172253	A1	19840807	CA 1982-407210	19820714
	IL 66320	A1	19860131	IL 1982-66320	19820714
	JP 58023676	A2	19830212	JP 1982-124315	19820716
	JP 04053862	B4	19920827		
	ZA 8205671	A	19830629	ZA 1982-5671	19820805
	US 4579584	A	19860401	US 1982-430635	19820930
	EP 82108	A1	19830622	EP 1982-810414	19821007
	EP 82108	B1	19860813		
	R: AT, BE, CH, DE, FR, GB, IT, LI, NL				
	AT 21392	E	19860815	AT 1982-810414	19821007
	CA 1222756	A1	19870609	CA 1982-413088	19821008
	IL 66957	A1	19860331	IL 1982-66957	19821011
	ZA 8207439	A	19830831	ZA 1982-7439	19821012
	JP 58077870	A2	19830511	JP 1982-179706	19821013
	US 4478635	A	19841023	US 1983-455175	19830103
	ZA 8300127	A	19831026	ZA 1983-127	19830110
	US 4487951	A	19841211	US 1984-571976	19840119
	US 4523944	A	19850618	US 1984-571985	19840119
	US 4565887	A	19860121	US 1984-571986	19840119
	US 4540782	A	19850910	US 1984-641141	19840726
	US 4551531	A	19851105	US 1984-641140	19840726
	CS 244950	B2	19860814	CS 1985-165	19850108
	US 4693741	A	19870915	US 1985-740937	19850603
	US 4944793	A	19900731	US 1985-777899	19850919
	US 4944794	A	19900731	US 1985-777900	19850919
	CA 1222761	A2	19870609	CA 1985-492533	19851008
	US 4944792	A	19900731	US 1986-819431	19860116
PRAI	CH 1981-4667		19810716		
	CH 1981-5075		19810806		
	CH 1981-6541		19811013		
	CH 1982-124		19820111		
	CH 1982-2205		19820408		
	CH 1982-3527		19820608		
	US 1982-396959		19820709		
	US 1982-396960		19820709		
	EP 1982-810300		19820712		
	US 1982-401583		19820726		
	CH 1982-5224		19820902		
	US 1982-430635		19820930		

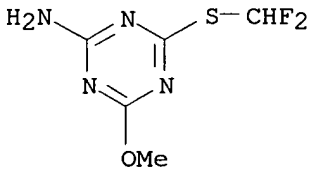
EP 1982-810414 19821007
US 1983-455175 19830103
CA 1983-419094 19830107
CS 1983-183 19830111

AB The title compds. I [R1 = halo, C1-4 (halo)alkyl, (halo)alkoxy, NR3R4 (R3 = H, Me, Et; R4 = H, Me, Et, MeO, EtO, MeOCH2), alkoxyalkyl; R2 = ZCF2R5 (Z = O, S; R5 = H, CMClF, CMBrF, CHF2, CHFCF3); X = N, CH] useful as sulfonylurea herbicide intermediates, were prepd. Etherifying 62.5 g pyrimidinol II (R6 = H) with F2CHCl(g) in aq. NaOH-dioxane in 12 h at 70-5.degree. gave 39.9 g ether II (R6 = F2CH) which (1.75 g) added to 2.5 g 2-F2CHOC6H4SO2NCO in dioxane at 70-5.degree. in 2 h to give 4.0 g urea III.

IT **85821-33-6P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 85821-33-6 CAPLUS

CN 1,3,5-Triazin-2-amine, 4-[(difluoromethyl)thio]-6-methoxy- (9CI) (CA INDEX NAME)



L4 ANSWER 11 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1983:215616 CAPLUS
DN 98:215616
TI N-Phenylsulfonyl-N'-pyrimidinyl- and -triazinyl ureas
IN Meyer, Willy; Foery, Werner
PA Ciba-Geigy A.-G. , Switz.
SO Eur. Pat. Appl., 79 pp.
CODEN: EPXXDW
DT Patent
LA German
FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 72347	A1	19830216	EP 1982-810323	19820802
	EP 72347	B1	19851113		
	R: AT, BE, CH, DE, FR, GB, IT, LI, NL, SE				
	US 4545811	A	19851008	US 1982-401583	19820726
	AT 16480	E	19851115	AT 1982-810323	19820802
	CS 241510	B2	19860313	CS 1982-5801	19820803
	DD 203223	A5	19831019	DD 1982-242248	19820804
	IL 66460	A1	19851231	IL 1982-66460	19820804
	CA 1231948	A1	19880126	CA 1982-408671	19820804
	DK 8203511	A	19830207	DK 1982-3511	19820805
	DK 159433	B	19901015		
	DK 159433	C	19910318		
	AU 8286770	A1	19830210	AU 1982-86770	19820805
	AU 548397	B2	19851212		
	ZA 8205671	A	19830629	ZA 1982-5671	19820805
	BR 8204597	A	19830726	BR 1982-4597	19820805
	ES 514750	A1	19830801	ES 1982-514750	19820805
	HU 30888	O	19840428	HU 1982-2523	19820805
	HU 190702	B	19861028		
	RO 85266	P	19840929	RO 1982-108379	19820805
	JP 58038264	A2	19830305	JP 1982-137168	19820806
	US 4523944	A	19850618	US 1984-571985	19840119
	US 4540782	A	19850910	US 1984-641141	19840726
	US 4693741	A	19870915	US 1985-740937	19850603

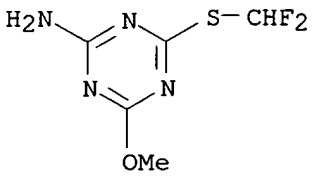
PRAI	CH 1981-5075	19810806
	CH 1982-2205	19820408
	CH 1981-4667	19810716
	CH 1981-6541	19811013
	CH 1982-124	19820111
	CH 1982-3527	19820608
	US 1982-396959	19820709
	US 1982-396960	19820709
	US 1982-401583	19820726
	EP 1982-810323	19820802

OS CASREACT 98:215616
AB Pyrimidinyl- and triazinylureas I [R = substituted Ph; R1 = H, halo, (un)substituted alkyl, alkoxy, alkylthio; R2 = haloalkoxy, haloalkylthio; X = CH, N; Z = O, S] were prepd. Thus, 62.5 g II (R3 = H) was treated with F2CHCl to give 39.9 g II (R = CHF2), which (1.75 g) was condensed with 2.5 g 2-F2CHOC6H4SO2NCO to give 4.0 g I (R = 2-F2CHOC6H4; R1 = Me, R2 = OCHF2, X = CH, Z = O) (III). At 4 kg/ha pre-emergence, III gave complete kill of Setaria species. In soybeans, 3 kg III/ha increased the no. of pods 30% and total pod wt. 24%.
IT **85821-33-6P**
RL: SPN (Synthetic preparation); PREP (Preparation)

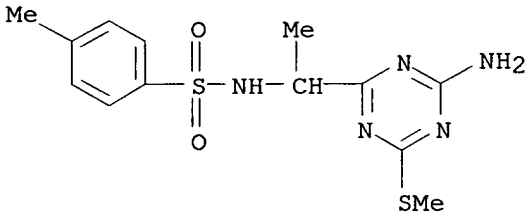
(prepn. and condensation of, with phenylsulfonyl isocyanates)

RN 85821-33-6 CAPLUS

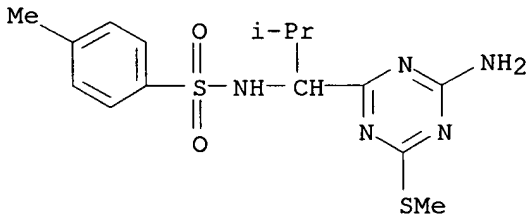
CN 1,3,5-Triazin-2-amine, 4-[(difluoromethyl)thio]-6-methoxy- (9CI) (CA INDEX NAME)



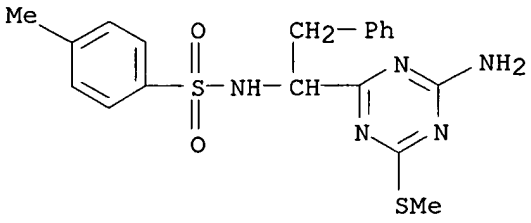
L4 ANSWER 12 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1976:554963 CAPLUS
DN 85:154963
TI Pesticides derived from amino acids
AU Maekawa, K.; Taniguchi, E.; Kuwano, E.; Shuto, Y.
CS Fac. Agric., Kyushu Univ., Fukuoka, Japan
SO Environmental Quality and Safety, Supplement (1975), 3(Pesticides), 748-53
CODEN: EQSSDX; ISSN: 0340-4714
DT Journal
LA English
AB Benzimidazole derivs. of amino acids and peptides contg. hydrophilic moieties, e.g., benzyloxycarbonylaminomethyl, inhibited the growth of radish seedlings and barnyard grass. 2-(1-Amino-2-phenylethyl)benzimidazole (I) [60603-62-5] (100 ppm) was active against tobacco mosaic virus. 2-[1-(Benzyloxycarbonylamino)-2-(3-indolyl)ethyl]benzimidazole [60603-49-8] and 2-[1-(benzyloxycarbonylamino)-4-guanidylbutyl]benzimidazole [60627-28-3] promoted rice seedling growth but inhibited barnyard grass. Several decarboxylated benzimidazole amino acid derivs. were also fungicidal.
IT **35541-06-1 35541-07-2 35541-08-3**
35541-09-4 60603-84-1 60603-86-3
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
(herbicidal and pesticidal activity of)
RN 35541-06-1 CAPLUS
CN Benzenesulfonamide, N-[1-[4-amino-6-(methylthio)-1,3,5-triazin-2-yl]ethyl]-4-methyl- (9CI) (CA INDEX NAME)



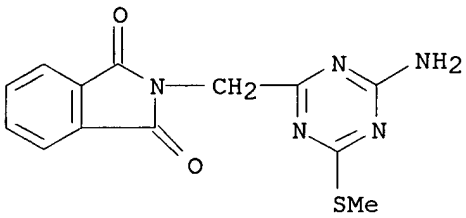
RN 35541-07-2 CAPLUS
CN Benzenesulfonamide, N-[1-[4-amino-6-(methylthio)-1,3,5-triazin-2-yl]-2-methylpropyl]-4-methyl- (9CI) (CA INDEX NAME)



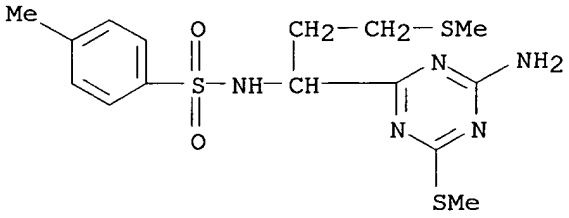
RN 35541-08-3 CAPLUS
CN Benzenesulfonamide, N-[1-[4-amino-6-(methylthio)-1,3,5-triazin-2-yl]-2-phenylethyl]-4-methyl- (9CI) (CA INDEX NAME)



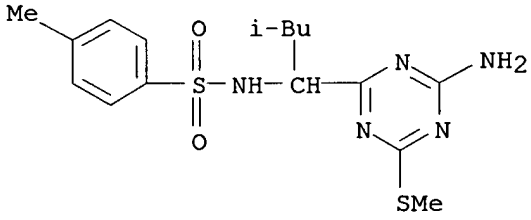
RN 35541-09-4 CAPLUS
CN 1H-Isoindole-1,3(2H)-dione, 2-[[4-amino-6-(methylthio)-1,3,5-triazin-2-yl]methyl]- (9CI) (CA INDEX NAME)



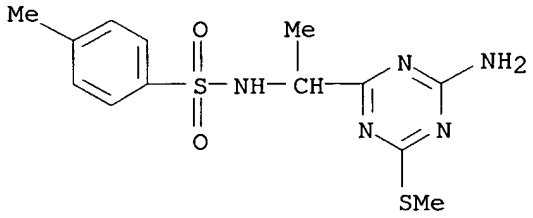
RN 60603-84-1 CAPLUS
CN Benzenesulfonamide, N-[1-[4-amino-6-(methylthio)-1,3,5-triazin-2-yl]-3-(methylthio)propyl]-4-methyl- (9CI) (CA INDEX NAME)



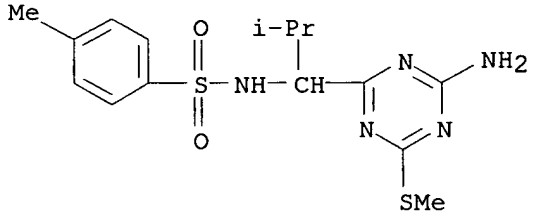
RN 60603-86-3 CAPLUS
CN Benzenesulfonamide, N-[1-[4-amino-6-(methylthio)-1,3,5-triazin-2-yl]-3-methylbutyl]-4-methyl- (9CI) (CA INDEX NAME)



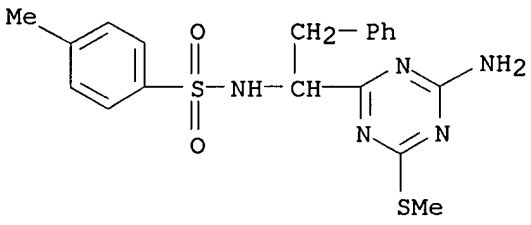
L4 ANSWER 13 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1972:113179 CAPLUS
DN 76:113179
TI Synthesis of 1,3,5-triazines from amino acid derivatives. I
AU Kuwano, Eiichi; Taniguchi, Eiji; Maekawa, Kazuyuki
CS Agric. Fac., Kyushu Univ., Fukuoka, Japan
SO Agricultural and Biological Chemistry (1971), 35(10), 1572-7
CODEN: ABCHA6; ISSN: 0002-1369
DT Journal
LA German
AB Amino-substituted s-triazines (I) were prepd. by ring closure of S-methylguanyliso-thiuronium methosulfate (II) or morpholino or dimethylbiguanide with amino acid chlorides contg. N-blocking groups. II was treated with N-tosylglycyl chloride in N-methylpyrrolidone to give I (R = MeS, R1 = 4-MeC6H4SO2NHCH2). I (R = Me, R1 = morpholino) was obtained from N,N'-(3-oxapentamethylene)biguanide-HCl and AcCl.
IT **35541-06-1P 35541-07-2P 35541-08-3P**
35541-09-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 35541-06-1 CAPLUS
CN Benzenesulfonamide, N-[1-[4-amino-6-(methylthio)-1,3,5-triazin-2-yl]ethyl]-4-methyl- (9CI) (CA INDEX NAME)



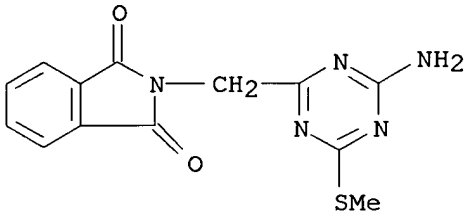
RN 35541-07-2 CAPLUS
CN Benzenesulfonamide, N-[1-[4-amino-6-(methylthio)-1,3,5-triazin-2-yl]-2-methylpropyl]-4-methyl- (9CI) (CA INDEX NAME)



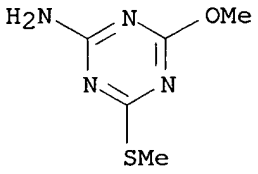
RN 35541-08-3 CAPLUS
CN Benzenesulfonamide, N-[1-[4-amino-6-(methylthio)-1,3,5-triazin-2-yl]-2-phenylethyl]-4-methyl- (9CI) (CA INDEX NAME)



RN 35541-09-4 CAPLUS
CN 1H-Isoindole-1,3(2H)-dione, 2-[[4-amino-6-(methylthio)-1,3,5-triazin-2-yl]methyl]- (9CI) (CA INDEX NAME)



L4 ANSWER 14 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1970:519790 CAPLUS
DN 73:119790
TI Inhibitory effects of s-triazines on nitrification in soil. I. Monoamino-s-triazines
AU Wakabayashi, Ko; Okuzu, Masahiko
CS Mitsubishi-Kasei-Shohin Kenkyusho, Tokyo, Japan
SO Nippon Dojo Hiryogaku Zasshi (1970), 41(4), 133-41
CODEN: NIDHAX; ISSN: 0029-0610
DT Journal
LA Japanese
AB 2,4-Bis(trifluoromethyl)-6-amino(or methylamino)-s-triazines, 2,4-bis(trichloromethyl)-6-amino(or C1-3 alkyl)amino-s-triazines, 2-methyl-4-trichloromethyl-6-amino(or C1-3 alkyl)amino-s-triazines, or 2-ethyl(or haloethyl, vinyl)-4-trichloromethyl-6-amino-s-triazines completed inhibited nitrification for at least 30 days.
IT **30358-18-0**
RL: BIOL (Biological study)
(nitrification inhibitors)
RN 30358-18-0 CAPLUS
CN 1,3,5-Triazin-2-amine, 4-methoxy-6-(methylthio)- (9CI) (CA INDEX NAME)



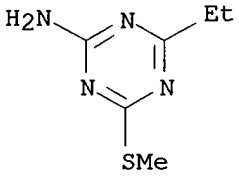
L4 ANSWER 15 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1969:481429 CAPLUS
DN 71:81429
TI 4-Amino-6-(alkylthio)-5-triazines
PA Badische Anilin- & Soda-Fabrik AG
SO Fr., 6 pp.
CODEN: FRXXAK
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 1536093		19680809	FR	
	DE 1670147			DE	
	GB 1191178			GB	
PRAI	DE		19660910		

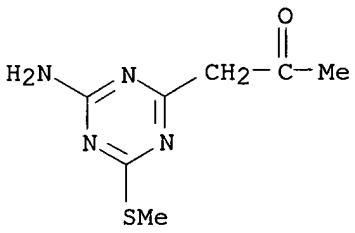
AB I are dye intermediates. Thus, 5.3 parts ZCOCl (R1 = NH2, R2 = NO2) and 3.3 parts NEt3 were added at 15-20.degree. to a soln. of 4.2 parts HN:C(NH2)NHC(SMe):NH.HI in 30 parts PhNO2, the mixt. stirred 2 hrs. at 60-5.degree., then 10 hrs. at room temp. to give 5.8 parts I (R = Z, R1 = Me, n = 1) (II) (R1 = NH2, R2 = NO2), m. 316-17.degree.. Similarly, other II were prepd. (R1, R2, % yield, and m.p. given): Cl, H, 81.5, 299-300.degree.; NO2, H, 78.5, 325-6.degree.; NH2, H, 99, 293-6.degree.; NH2, SPh, 98.5, 342-5.degree.; and similarly, with n = 1, I (R = Y, R1 = Me) (R1, R2, R3, % yield, and m.p. given): H, H, H, 77, 166-8.degree.; H, Cl, H, 97, 221-3.degree.; Cl, Cl, H, 72.5, 162-4.degree.; H, PhO, H, 62, 134-6.degree.; Cl, H, Me, 83, 138-40.degree.; and I (R = Cl3C, R1 = Me), 60%, 177-9.degree.; I (R = AcCH2, R1 = Me), 66%, 121-3.degree.; I (R = Ph, R1 = CH2Ph), 79%, 145-7.degree.; and also I (R1 = Me, n = 1) (R, % yield, and m.p.): Q (R = H), 62, 172-4.degree.; Q (R = O2N), 87, 265-7.degree.; QCH:CH (R = H), 67, 153-5.degree.; QCH:CH (R = O2N), 83, 318-20.degree.; PhCH:CH, 77, 138-40.degree.; Cl2CH, 66, 125-6.degree.; W, 63, 316-17.degree.; Et, 78, 151-2.degree.; CH2:CH, 62, 132-3.degree.; 1-naphthyl, 92, 149-50.degree.; and I (n = 2, R1 = Me) (R, %, m.p.): 4-C6H4CH:CHC6H4-4, 82, 320-2.degree.; 4-C6H4N:-NC6H4-4, 92, 149-50.degree..

IT **23527-93-7P 23603-27-2P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 23527-93-7 CAPLUS
CN s-Triazine, 2-amino-4-ethyl-6-(methylthio)- (8CI) (CA INDEX NAME)



RN 23603-27-2 CAPLUS
CN 2-Propanone, 1-[4-amino-6-(methylthio)-s-triazin-2-yl]- (8CI) (CA INDEX NAME)


H2N
N
CH2
C
O
Me
N
N
SMe

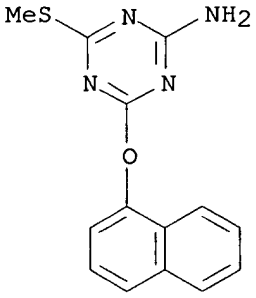
L4 ANSWER 16 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1966:490709 CAPLUS
DN 65:90709
OREF 65:16986g
TI Substituted s-triazines
IN Acker, Donald S.
PA E. I. du Pont de Nemours & Co.
SO 5 pp.
DT Patent
LA Unavailable
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3267099		19660816	US	19650405

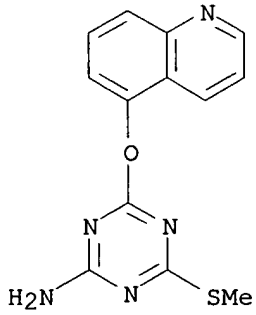
AB Alkoxy- or alkylmercaptodi- (alkyloxyalkylamino)-s-triazines, such as 2,4-bis(3-methoxy-1-propylamino)-6-methoxy-s-triazine, n25D 1.5228, are made from bis(alkyloxyalkylamino)-s-triazine chloride and metal alkoxides of mercaptides; they are useful as herbicides.

IT **10422-00-1**, s-Triazine, 2-amino-4-(methylthio)-6-(1-naphthyloxy)- **13017-36-2**, Quinoline, 5-[[4-amino-6-(methylthio)-s-triazin-2-yl]oxy]- **13017-37-3**, s-Triazine, 2-amino-4-[(p-chlorophenyl)thio]-6-(p-tolyloxy)- **13166-40-0**, s-Triazine, 2-amino-4-(methylthio)-6-(2,2,2-tribromoethoxy)-
(prepn. of)

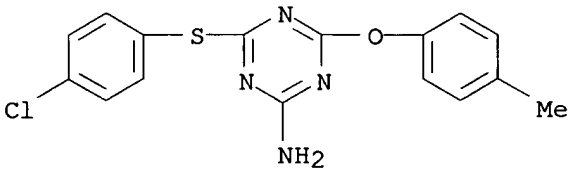
RN 10422-00-1 CAPLUS
CN s-Triazine, 2-amino-4-(methylthio)-6-(1-naphthyloxy)- (7CI, 8CI) (CA INDEX NAME)



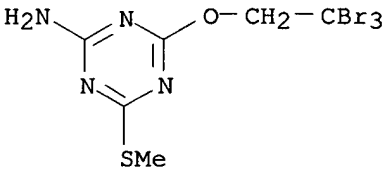
RN 13017-36-2 CAPLUS
CN Quinoline, 5-[[4-amino-6-(methylthio)-s-triazin-2-yl]oxy]- (7CI, 8CI) (CA INDEX NAME)



RN 13017-37-3 CAPLUS
CN s-Triazine, 2-amino-4-[(p-chlorophenyl)thio]-6-(p-tolyloxy)- (7CI, 8CI) (CA INDEX NAME)



RN 13166-40-0 CAPLUS
CN s-Triazine, 2-amino-4-(methylthio)-6-(2,2,2-tribromoethoxy)- (7CI, 8CI) (CA INDEX NAME)



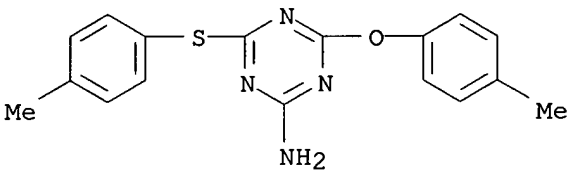
L4 ANSWER 17 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1966:490708 CAPLUS
DN 65:90708
OREF 65:16986e-g
TI Trisubstituted s-triazines
IN Grigat, Ernst; Puetter, Rolf
PA Farbenfabriken Bayer A.-G.
SO 5 pp.
DT Patent
LA Unavailable
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI DE 1220860		19660714	DE	19640926

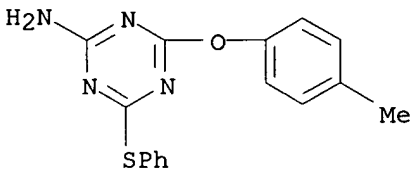
AB I are prepd. by treating in the presence of a solvent HN: C(SR1)NH2 (II) with at least 2 moles ROCN (III). Thus, to a mixt. of 8.8 g. II (R1 = Me) sulfate, 50 ml. H2O, 50 ml. alc., and 15.3 g. III (R = 3-ClC6H4) is added dropwise with stirring at 20-5.degree. a soln. of 10.6 g. Na2CO3 in 50 ml. H2O, the mixt. neutralized with N H2SO4, and the ppt. filtered off to give 10 g. I (R = 3-ClC6H4, R1 = Me), m. 199-201.degree. (alc.). Similarly are prepd. the following I (R, R1, % yield, and m.p., given): 2,4-Me2C6H3, Me, -, 212-13.degree.; 4-MeC6H4, Ph, 77.5, 193.degree.; 4-MeC6H4, 4-MeC6H4, 90, 229.degree.; Cl3CCH2, Me, -, 116.degree.; 4-AcC6H4, Me, -, 254-5.degree.; Ph, 4-tert-Bu-C6H4, -, 202-3.degree.; Ph, 4-MeOC6H4, -, 190-1.degree.; 4-MeC6H4, C12H25, -, 148-9.degree.; 2-MeOC5H4, 4-MeOC6H4, -, 191-3.degree.; 4-NO2C6H4, Me, 60, 273.degree.; 4-MeC6H4, 4-ClC6H4, -, 276-8.degree.. 1-C10H7, Me -, 230.0-30.5; Br3CCH2, Me, 48, 116-7.degree.; 5-quinolyl, Me, 75, 262.degree.. I are intermediates for the prepn. of dyes and pharmaceuticals.

IT **1467-74-9**, s-Triazine, 2-amino-4-(p-tolyloxy)-6-(p-tolylthio)- **1467-75-0**, s-Triazine, 2-amino-4-(phenylthio)-6-(p-tolyloxy)- **1467-76-1**, Acetophenone, 4'-[[4-amino-6-(methylthio)-s-triazin-2-yl]-oxy]- **1637-36-1**, s-Triazine, 2-amino-4-(methylthio)-6-(2,2,2-trichloroethoxy)- **1637-37-2**, s-Triazine, 2-amino-4-(m-chlorophenoxy)-6-(methylthio)- **1839-07-2**, s-Triazine, 2-amino-4-(methylthio)-6-(2,4-xylyloxy)- **10409-69-5**, s-Triazine, 2-amino-4-[(p-tert-butylphenyl)thio]-6-phenoxy- **10422-00-1**, s-Triazine, 2-amino-4-(methylthio)-6-(1-naphthyloxy)- **13017-36-2**, Quinoline, 5-[[4-amino-6-(methylthio)-s-triazin-2-yl]oxy]- **13017-37-3**, s-Triazine, 2-amino-4-[(p-chlorophenyl)thio]-6-(p-tolyloxy)- **13017-38-4**, s-Triazine, 2-amino-4-(methylthio)-6-(p-nitrophenoxy)- **13017-39-5**, s-Triazine, 2-amino-4-(o-methoxyphenoxy)-6-[(p-methoxyphenyl)thio]- **13017-40-8**, s-Triazine, 2-amino-4-(dodecylthio)-6-(p-tolyloxy)- **13017-41-9**, s-Triazine, 2-amino-4-[(p-methoxyphenyl)thio]-6-phenoxy- **13166-40-0**, s-Triazine, 2-amino-4-(methylthio)-6-(2,2,2-tribromoethoxy)-
(prepn. of)

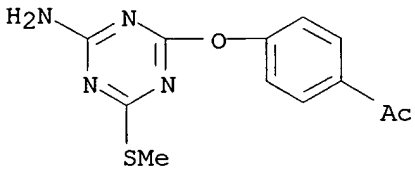
RN 1467-74-9 CAPLUS
CN s-Triazine, 2-amino-4-(p-tolyloxy)-6-(p-tolylthio)- (7CI, 8CI) (CA INDEX NAME)



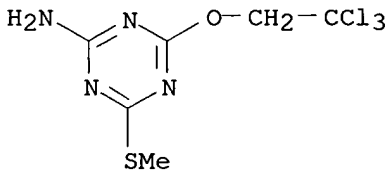
RN 1467-75-0 CAPLUS
CN s-Triazine, 2-amino-4-(phenylthio)-6-(p-tolyloxy)- (7CI, 8CI) (CA INDEX NAME)



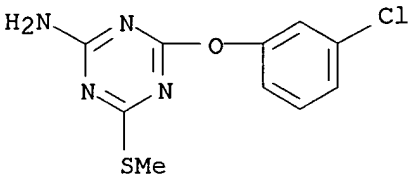
RN 1467-76-1 CAPLUS
CN Acetophenone, 4'-[[4-amino-6-(methylthio)-s-triazin-2-yl]oxy]- (7CI, 8CI) (CA INDEX NAME)



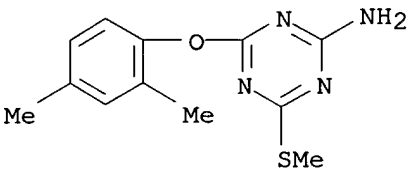
RN 1637-36-1 CAPLUS
CN s-Triazine, 2-amino-4-(methylthio)-6-(2,2,2-trichloroethoxy)- (7CI, 8CI) (CA INDEX NAME)



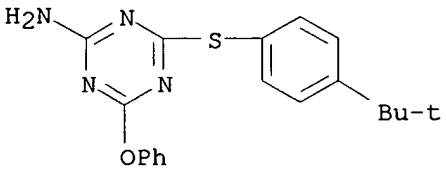
RN 1637-37-2 CAPLUS
CN s-Triazine, 2-amino-4-(m-chlorophenoxy)-6-(methylthio)- (7CI, 8CI) (CA INDEX NAME)



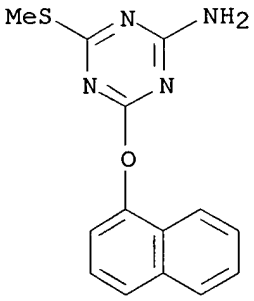
RN 1839-07-2 CAPLUS
CN s-Triazine, 2-amino-4-(methylthio)-6-(2,4-xylyloxy)- (7CI, 8CI) (CA INDEX NAME)



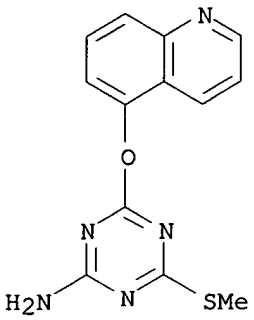
RN 10409-69-5 CAPLUS
CN s-Triazine, 2-amino-4-[(p-tert-butylphenyl)thio]-6-phenoxy- (7CI, 8CI) (CA INDEX NAME)



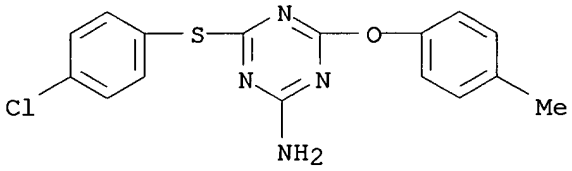
RN 10422-00-1 CAPLUS
CN s-Triazine, 2-amino-4-(methylthio)-6-(1-naphthyloxy)- (7CI, 8CI) (CA INDEX NAME)



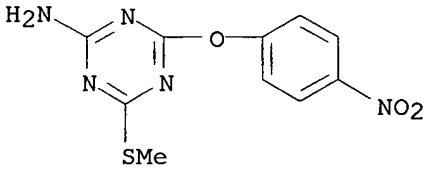
RN 13017-36-2 CAPLUS
CN Quinoline, 5-[[4-amino-6-(methylthio)-s-triazin-2-yl]oxy]- (7CI, 8CI) (CA INDEX NAME)



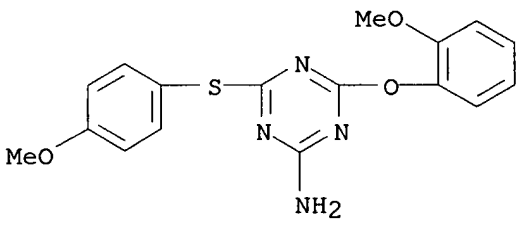
RN 13017-37-3 CAPLUS
CN s-Triazine, 2-amino-4-[(p-chlorophenyl)thio]-6-(p-tolyloxy)- (7CI, 8CI) (CA INDEX NAME)



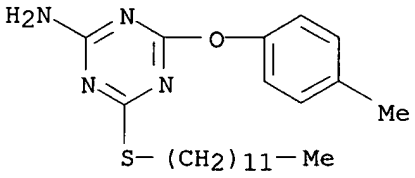
RN 13017-38-4 CAPLUS
CN s-Triazine, 2-amino-4-(methylthio)-6-(p-nitrophenoxy)- (7CI, 8CI) (CA INDEX NAME)



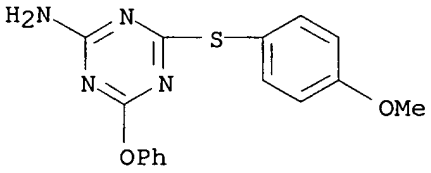
RN 13017-39-5 CAPLUS
CN s-Triazine, 2-amino-4-(o-methoxyphenoxy)-6-[(p-methoxyphenyl)thio]- (7CI, 8CI) (CA INDEX NAME)



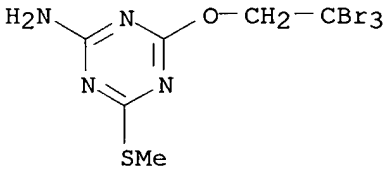
RN 13017-40-8 CAPLUS
CN s-Triazine, 2-amino-4-(dodecylthio)-6-(p-tolyloxy)- (7CI, 8CI) (CA INDEX NAME)



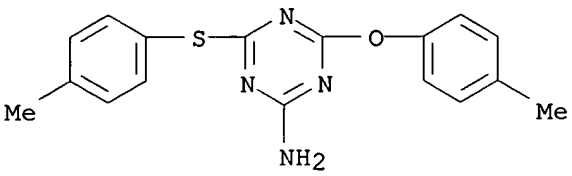
RN 13017-41-9 CAPLUS
CN s-Triazine, 2-amino-4-[(p-methoxyphenyl)thio]-6-phenoxy- (7CI, 8CI) (CA INDEX NAME)



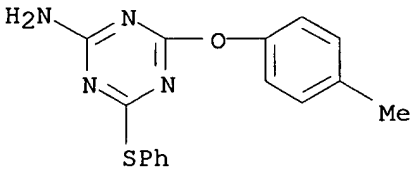
RN 13166-40-0 CAPLUS
CN s-Triazine, 2-amino-4-(methylthio)-6-(2,2,2-tribromoethoxy)- (7CI, 8CI) (CA INDEX NAME)



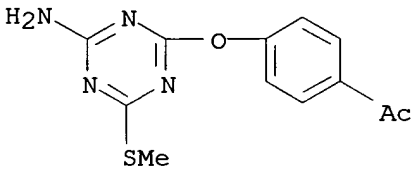
L4 ANSWER 18 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1965:90931 CAPLUS
DN 62:90931
OREF 62:16246d-g
TI Chemistry of cyanic acid esters. VIII. Reaction of cyanic acid esters with ureas
AU Grigat, Ernst; Puetter, Rolf
CS Farbenfabriken Bayer A.-G., Leverkusen, Germany
SO Chemische Berichte (1965), 98(4), 1168-72
CODEN: CHBEAM; ISSN: 0009-2940
DT Journal
LA German
OS CASREACT 62:90931
AB cf. CA 62, 10430h. Aryl cyanates with thioureas yielded the corresponding thiocarbamidates and cyanamides or carbodiimides, or with isothioureas and HN:C(NH2)2 (I), the corresponding 1,3,5-triazine derivs. Me2NCONH2 (20.8 g.) and 26.6 g. p-MeC6H4OCN in 50 cc. Me2CO refluxed 1 hr. yielded 30 g. p-MeC6H4OCSNH2 (II), m. 153.degree., and 16 g. Me2NCN contg. 2-3 g. II. (PhNH)2CS (10 g.), 6.5 g. 2,4-Me2C6H3OCN (III), and 30 cc. Me2CO refluxed 3.5 hrs., and the yellow oily cryst. paste (17.2 g.) stirred with about 100 cc. petr. ether yielded 7.5 g. 2,4-Me2C6H3OCSNH2, m. 139.degree., and 8.3 g. (Ph2N:)2C. .omicron.-PhO2CC6H4OCN (IV) (11.95 g.) and 7.6 g. PhNHCSNH2 in 80 cc. xylene refluxed 40 min. yielded 6 g. 2-mercapto-4H-1,3-benzoxazin-4-one, m. 253-4.degree.. S-Methylisothiouronium sulfate (V) (9.4 g.), 50 cc. H2O, and 50 cc. EtOH treated with 15.3 g. m-ClC6H4OCN and then dropwise at 20-5.degree. with 5.3 g. Na2CO3 in 50 cc. H2O gave 10 g. 2-amino-4-(m-chlorophenoxy)-6-methylthio-1,3,5-triazine, m. 199-201.degree. (EtOH). Similarly were prepd. the following VI (R, R', and m.p. given): 2,4-Me2C6H3, Me, 211-12.degree.; CCl3CH2, Me, 116.degree.; p-AcC6H4, Me, 254-5.degree.; p-MeC6H4, Ph, 193.degree.; p-MeC6H4, p-MeC6H4, 229.degree.. V (18.8 g.) and 17.7 g. .omicron.-MeO2CC6H4OCN in 100 cc. H2O and 100 cc. EtOH treated dropwise at room temp. with 4 g. NaOH in 25 cc. H2O gave 10 g. 2-[S-methylisothioureido)-4H-1,3-benzoxazin-4-one, m. 213-14.degree. (dioxane). I sulfate (5.4 g.) and 11.1 g. III in 50 cc. H2O and 30 cc. Me2CO treated dropwise slowly at -10.degree. with 2 g. NaOH in 10 cc. H2O and stirred 0.5 hr. at room temp. yielded 4 g. 2,4-diamino-6-(2,4-dimethylphenoxy)-1,3,5-triazine (VII), m. 280-1.degree. (EtOH). Dicyandiamide (8.4 g.) in 20 cc. Me2CO and 20 cc. H2O and 1 g. NaOH (as a concd. aq. soln.) stirred 20 min. at 0-5.degree. with 14.7 g. III yielded 12.1 g. VII, m. 279-80.degree.. Similarly were prepd. the following VIII (R and m.p. given): p-MeC6H4, 288-9.degree.; .omicron.-MeC6H4, 231-2.degree.; Ph, 259-60.degree.; .omicron.-MeOC6H4, 267-8.degree.; CCl3CH2, 205-6.degree..
IT **1467-74-9**, s-Triazine, 2-amino-4-(p-tolyloxy)-6-(p-tolylthio)- **1467-75-0**, s-Triazine, 2-amino-4-(phenylthio)-6-(p-tolyloxy)- **1467-76-1**, Acetophenone, 4'-[[4-amino-6-(methylthio)-s-triazin-2-yl]-oxy]- **1637-36-1**, s-Triazine, 2-amino-4-(methylthio)-6-(2,2,2-trichloroethoxy)- **1637-37-2**, s-Triazine, 2-amino-4-(m-chlorophenoxy)-6-(methylthio)- **1839-07-2**, s-Triazine, 2-amino-4-(methylthio)-6-(2,4-xylyloxy)-
(prepn. of)
RN 1467-74-9 CAPLUS
CN s-Triazine, 2-amino-4-(p-tolyloxy)-6-(p-tolylthio)- (7CI, 8CI) (CA INDEX NAME)



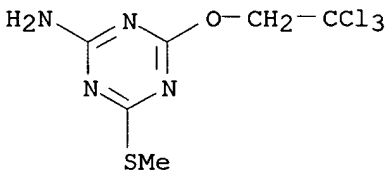
RN 1467-75-0 CAPLUS
CN s-Triazine, 2-amino-4-(phenylthio)-6-(p-tolyloxy)- (7CI, 8CI) (CA INDEX NAME)



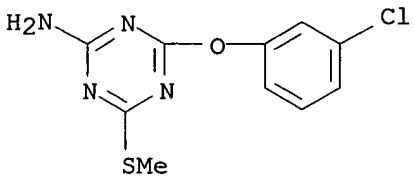
RN 1467-76-1 CAPLUS
CN Acetophenone, 4'-[[4-amino-6-(methylthio)-s-triazin-2-yl]oxy]- (7CI, 8CI) (CA INDEX NAME)



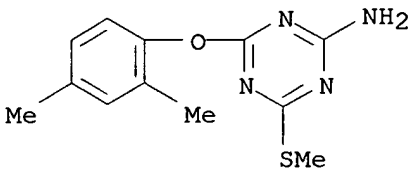
RN 1637-36-1 CAPLUS
CN s-Triazine, 2-amino-4-(methylthio)-6-(2,2,2-trichloroethoxy)- (7CI, 8CI) (CA INDEX NAME)



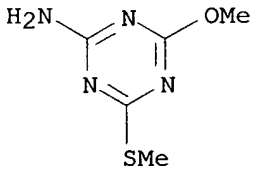
RN 1637-37-2 CAPLUS
CN s-Triazine, 2-amino-4-(m-chlorophenoxy)-6-(methylthio)- (7CI, 8CI) (CA INDEX NAME)



RN 1839-07-2 CAPLUS
CN s-Triazine, 2-amino-4-(methylthio)-6-(2,4-xylyloxy)- (7CI, 8CI) (CA INDEX NAME)



L4 ANSWER 19 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1964:461673 CAPLUS
DN 61:61673
OREF 61:10682f-h,10683a
TI Synthesis of 2-amino-4-hydroxy-1,3,5-triazines
AU Flament, I.; Promel, R.; Martin, R. H.
CS Univ. Libre, Brussels
SO Bulletin des Societes Chimiques Belges (1964), 73(5-6), 585-91
CODEN: BSCBAG; ISSN: 0037-9646
DT Journal
LA Unavailable
AB 2-Amino-4-hydroxy-1,3,5-triazine (I), an analog of cytosine, was prepd. from 2,4,6-trichloro-1,3,5-triazine. 2,4-Dichloro-6-methoxy-1,3,5-triazine (II) (10 g.) in 150 cc. abs. MeOH treated below 30.degree. with 30 cc. 9.7M NH3-MeOH and stirred 0.5 hr. at 35.degree. yielded 7.9 g. 2-NH2 analog (III) of II, m. above 350.degree. (C6H6 and sublimed at 140.degree./1 mm.). III (1 g.) and 0.7 g. NaSH in 40 cc. abs. MeOH refluxed 3 hrs. gave 0.75 g. 2-amino-4-mercapto-6-methoxy-1,3,5-triazine (IV), m. above 350.degree.. IV (0.7 g.) in 7 cc. H2O contg. 0.18g. NaOH stirred 3 hrs. with 0.64 g. MeI gave 0.6 g. 4-MeS analog of IV, m. 196.5-97.degree. (cor.) (C6H6). III (0.7 g.) in 40 cc. dioxane treated at 50.degree. with 0.3 g. 5% Pd-C and 0.45 g. Et3N and hydrogenated gave 0.45 g. 2-amino-4-methoxy-1,3,5-triazine (V), m. 184-5.degree. (cor.) (C6H6). IV (3 g.) and 2 cc. concd. NH4OH in 30 cc. H2O refluxed 1 hr. with stirring with 12 g. Raney Ni yielded 1.5 g. V, needles, m. 184-5.degree. (cor.) (sublimed at 100.degree./0.1 mm.). V (0.1 g.) in 0.3 cc. concd. HCl treated with 0.5 cc. abs. EtOH yielded 0.9 g. I, m. above 350.degree. (decompn.) (H2O). The ultraviolet absorption max. of the various triazine derivs. are tabulated. I at nontoxic doses exhibits only a weak effect on sarcoma 180 and adenocarcinoma 755; it is without effect on leucemia 1210, but inhibits to a certain degree the growth of Escherichia coli.
IT **30358-18-0**, s-Triazine, 2-amino-4-methoxy-6-(methylthio)-
(prepn. of)
RN 30358-18-0 CAPLUS
CN 1,3,5-Triazin-2-amine, 4-methoxy-6-(methylthio)- (9CI) (CA INDEX NAME)



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     FILE 'CAPLUS' ENTERED AT 18:05:49 ON 10 FEB 2004
L4            19 S L3

     FILE 'CAOLD' ENTERED AT 18:06:29 ON 10 FEB 2004

=> s l3
L5             4 L3

=> d l5 1-4 bib,hitstr
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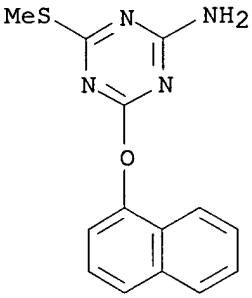
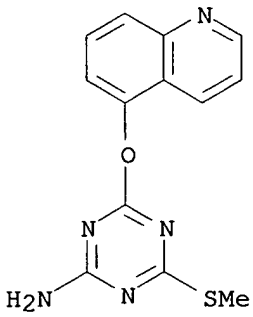
L5 ANSWER 1 OF 4 CAOLD COPYRIGHT 2004 ACS on STN
AN CA65:16986g CAOLD
TI substituted s-triazines
AU Acker, Donald S.
DT Patent
TI triazines (substituted)
PA Du Pont de Nemours, E. I., & Co.
DT Patent

PATENT NO.	KIND	DATE
US 3267099		1966

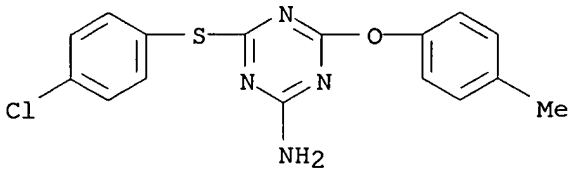
IT **10422-00-1 13017-36-2 13017-37-3 13166-40-0**
RN 10422-00-1 CAOLD
CN s-Triazine, 2-amino-4-(methylthio)-6-(1-naphthyloxy)- (7CI, 8CI) (CA INDEX NAME)



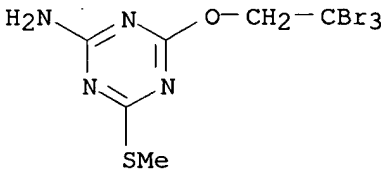
RN 13017-36-2 CAOLD
CN Quinoline, 5-[[4-amino-6-(methylthio)-s-triazin-2-yl]oxy]- (7CI, 8CI) (CA INDEX NAME)



RN 13017-37-3 CAOLD
CN s-Triazine, 2-amino-4-[(p-chlorophenyl)thio]-6-(p-tolyloxy)- (7CI, 8CI) (CA INDEX NAME)



RN 13166-40-0 CAOLD
CN s-Triazine, 2-amino-4-(methylthio)-6-(2,2,2-tribromoethoxy)- (7CI, 8CI) (CA INDEX NAME)

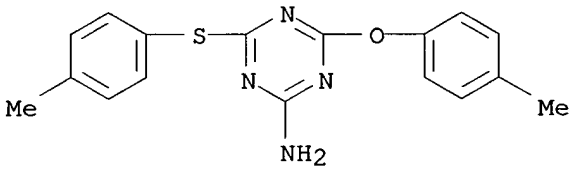


L5 ANSWER 2 OF 4 CAOLD COPYRIGHT 2004 ACS on STN
AN CA65:16986e CAOLD
TI s-triazines (trisubstituted)
PA Farbenfabriken Bayer A.-G.
DT Patent
TI trisubstituted s-triazines
AU Grigat, Ernst; Puetter, R.
DT Patent

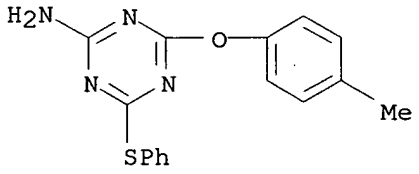
PATENT NO.	KIND	DATE
PI DE 1220860		

IT **1467-74-9** **1467-75-0** **1467-76-1**
1637-36-1 **1637-37-2** **1839-07-2**
10409-69-5 **13017-38-4** **13017-39-5**
13017-40-8 **13017-41-9**

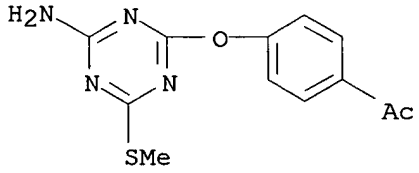
RN 1467-74-9 CAOLD
CN s-Triazine, 2-amino-4-(p-tolyloxy)-6-(p-tolylthio)- (7CI, 8CI) (CA INDEX NAME)



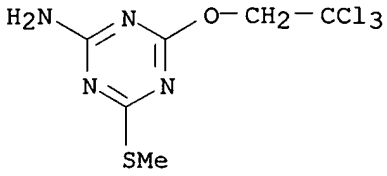
RN 1467-75-0 CAOLD
CN s-Triazine, 2-amino-4-(phenylthio)-6-(p-tolyloxy)- (7CI, 8CI) (CA INDEX NAME)



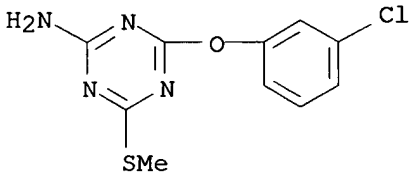
RN 1467-76-1 CAOLD
CN Acetophenone, 4'-[[4-amino-6-(methylthio)-s-triazin-2-yl]oxy]- (7CI, 8CI) (CA INDEX NAME)



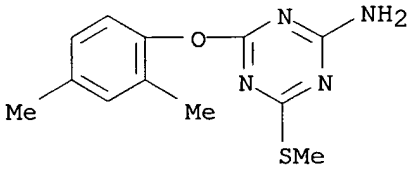
RN 1637-36-1 CAOLD
CN s-Triazine, 2-amino-4-(methylthio)-6-(2,2,2-trichloroethoxy)- (7CI, 8CI) (CA INDEX NAME)



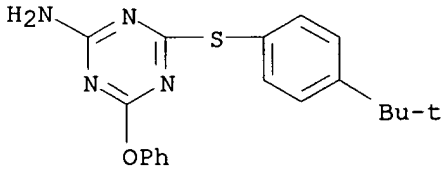
RN 1637-37-2 CAOLD
CN s-Triazine, 2-amino-4-(m-chlorophenoxy)-6-(methylthio)- (7CI, 8CI) (CA INDEX NAME)



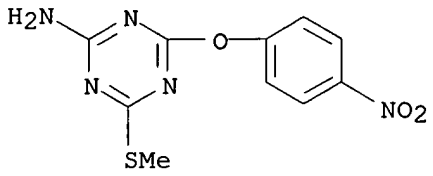
RN 1839-07-2 CAOLD
CN s-Triazine, 2-amino-4-(methylthio)-6-(2,4-xylyloxy)- (7CI, 8CI) (CA INDEX NAME)



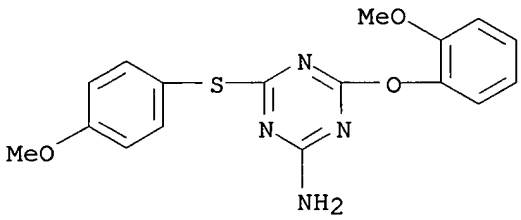
RN 10409-69-5 CAOLD
CN s-Triazine, 2-amino-4-[(p-tert-butylphenyl)thio]-6-phenoxy- (7CI, 8CI) (CA INDEX NAME)



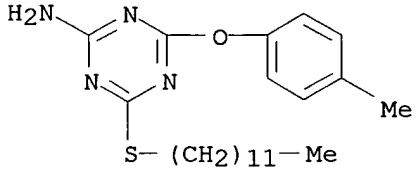
RN 13017-38-4 CAOLD
CN s-Triazine, 2-amino-4-(methylthio)-6-(p-nitrophenoxy)- (7CI, 8CI) (CA INDEX NAME)



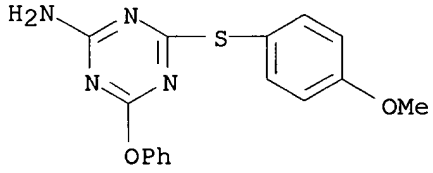
RN 13017-39-5 CAOLD
CN s-Triazine, 2-amino-4-(o-methoxyphenoxy)-6-[(p-methoxyphenyl)thio]- (7CI, 8CI) (CA INDEX NAME)



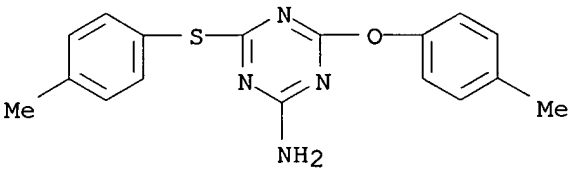
RN 13017-40-8 CAOLD
CN s-Triazine, 2-amino-4-(dodecylthio)-6-(p-tolyloxy)- (7CI, 8CI) (CA INDEX NAME)



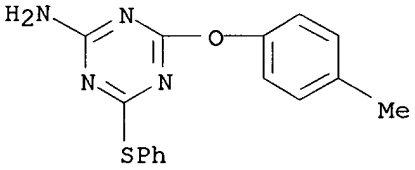
RN 13017-41-9 CAOLD
CN s-Triazine, 2-amino-4-[(p-methoxyphenyl)thio]-6-phenoxy- (7CI, 8CI) (CA INDEX NAME)



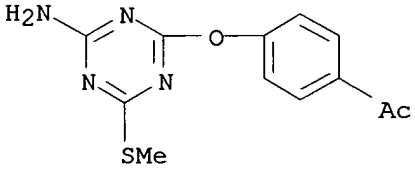
L5 ANSWER 3 OF 4 CAOLD COPYRIGHT 2004 ACS on STN
AN CA62:16246d CAOLD
TI cyanic acid esters - (VIII) reaction of cyanic acid esters with ureas
AU Grigat, Ernst; Puetter, R.
IT **1467-74-9** **1467-75-0** **1467-76-1**
1637-36-1 **1637-37-2** **1839-07-2**
RN 1467-74-9 CAOLD
CN s-Triazine, 2-amino-4-(p-tolyloxy)-6-(p-tolylthio)- (7CI, 8CI) (CA INDEX NAME)



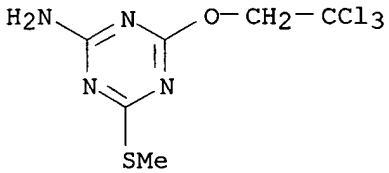
RN 1467-75-0 CAOLD
CN s-Triazine, 2-amino-4-(phenylthio)-6-(p-tolyloxy)- (7CI, 8CI) (CA INDEX NAME)



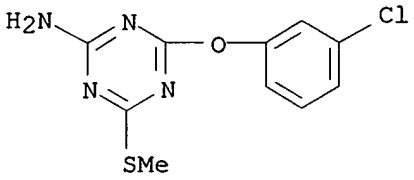
RN 1467-76-1 CAOLD
CN Acetophenone, 4'-[[4-amino-6-(methylthio)-s-triazin-2-yl]oxy]- (7CI, 8CI) (CA INDEX NAME)



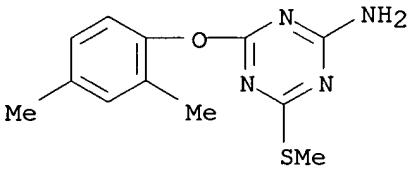
RN 1637-36-1 CAOLD
CN s-Triazine, 2-amino-4-(methylthio)-6-(2,2,2-trichloroethoxy)- (7CI, 8CI) (CA INDEX NAME)



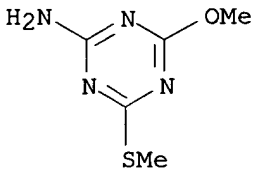
RN 1637-37-2 CAOLD
CN s-Triazine, 2-amino-4-(m-chlorophenoxy)-6-(methylthio)- (7CI, 8CI) (CA INDEX NAME)



RN 1839-07-2 CAOLD
CN s-Triazine, 2-amino-4-(methylthio)-6-(2,4-xylyloxy)- (7CI, 8CI) (CA INDEX NAME)



L5 ANSWER 4 OF 4 CAOLD COPYRIGHT 2004 ACS on STN
AN CA61:10682f CAOLD
TI synthesis of 2-amino-4-hydroxy-1,3,5-triazines
AU Flament, I.; Promel, R.; Martin, R. H.
IT **30358-18-0**
RN 30358-18-0 CAOLD
CN 1,3,5-Triazin-2-amine, 4-methoxy-6-(methylthio)- (9CI) (CA INDEX NAME)



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COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
FULL ESTIMATED COST                              11.34     257.78

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)    SINCE FILE      TOTAL
                                                 ENTRY    SESSION
CA SUBSCRIBER PRICE                               0.00     -13.17

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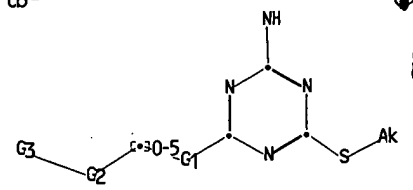
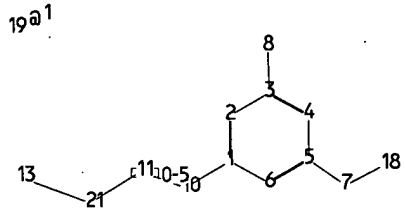


$R^2 = H$

$Y^2 =$ lower alkylene
$\delta 0$

$T = O/S/N$

R^3 is aryl
δ Hy



chain nodes :
7 10 11 18 19 21
ring nodes :
1 2 3 4 5 6
ring/chain nodes :
8 13
chain bonds :
1-10 3-8 5-7 7-18 10-11 11-21 13-21
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
1-10 3-8 7-18 10-11 11-21 13-21
exact bonds :
5-7
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6
isolated ring systems :
containing 1 :

G1:C,O

G2:O,S,N,SO2

G3:Hy,[*1]

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 10:CLASS 11:CLASS
13:CLASS 18:CLASS 19:Atom 21:CLASS
Generic attributes :
19:
Saturation : Unsaturated